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Current Automation

POWER SOLUTION PROVIDERS

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Enclosed Switching Power Supply



G3 Series (Single Output) / (Multiple Output)

Model	W	Input (Note 1)	Single Output Rated Current (A)						Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	Warr. (Years)	Packing		
			3.3V	5V	12V	15V	24V	48V					pcs	kg	CUFT
RS-15-□	15	F	3	3	1.3	1	0.7	0.35	ABLP	UC T B E	63.5 x 51 x 28	3	---	---	---
RS-25-□	25	F	6	5	2.1	1.7	1.1	0.57	ABLP	UC T B E	79 x 51 x 28	3	60	13.0	0.57
RS-35-□	35	F	7	7	3	2.4	1.5	0.8	ABLP	UC T B E	99 x 82 x 35	3	45	14.0	0.83
RS-50-□	50	F	10	10	4.2	3.4	2.2	1.1	ABLP	UC T B E	99 x 97 x 36	3	45	19.5	0.90
RS-75-□	75	F	15	12	6	5	3.2	1.6	ABLP	UC T B E	129 x 98 x 38	3	30	13.3	0.86
RS-100-□	100	F	20	16	8.5	7	4.5	2.3	ABLP	UC T B E	159 x 97 x 38	3	24	15.4	0.70
RS-150-□	150	S	30	26	12.5	10	6.5	3.3	ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80

Model	W	Input (Note 1)	Multiple Output Rated Current (A)										Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	Warr. (Years)	Packing			
			5V	12V	13.5V	15V	24V	48V	-5V	-12V	-13.5V	-15V					pcs	kg	CUFT	
RD-35A	32	F	4	1										ABLP	UC T B E	99 x 82 x 35	3	45	14.0	0.83
RD-35B	35	F	2.2				1							ABLP	UC T B E	99 x 82 x 35	3	45	14.0	0.83
RD-3513	35	F			1.3					1.3				ABLP	UC T B E	99 x 82 x 35	3	45	14.0	0.83
RD-50A	54	F	6	2										ABLP	UC T B E	99 x 97 x 63	3	45	19.5	0.90
RD-50B	54	F	4				1.4							ABLP	UC T B E	99 x 97 x 63	3	45	19.5	0.90
RD-65A	66	F	6	3										ABLP	UC T B E	129 x 98 x 38	3	30	14.2	0.86
RD-65B	68	F	4				2							ABLP	UC T B E	129 x 98 x 38	3	30	14.2	0.86
RD-85A	88	F	8	4										ABLP	UC T B E	159 x 97 x 38	3	24	15.4	0.70
RD-85B	88	F	8				2							ABLP	UC T B E	159 x 97 x 38	3	24	15.4	0.70
RD-125A	131	S	7.7	7.7										ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RD-125B	133	S	4.6				4.6							ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RD-125-1224	133	S		3.7				3.7						ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RD-125-2412	133	S		3.7				3.7						ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RD-125-1248	138	S		2.3						2.3				ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RD-125-4812	138	S		2.3						2.3				ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RD-125-2448	144	S					2	2						ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RD-125-4824	144	S					2	2						ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RID-125-1205	125	S	3	9.2										ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RID-125-2405	125	S	3				4.6							ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RT-50A	47	F	4	2						0.5				ABLP	UC T B E	99 x 97 x 36	3	45	19.5	0.90
RT-50B	50	F	4	2							0.5			ABLP	UC T B E	99 x 97 x 36	3	45	19.5	0.90
RT-50C	50	F	4			1.5						0.5		ABLP	UC T B E	99 x 97 x 36	3	45	19.5	0.90
RT-50D	51	F	3	1			1							ABLP	UC T B E	99 x 97 x 36	3	45	19.5	0.90
RT-65A	66	F	6	2.8						0.5				ABLP	UC T B E	129 x 98 x 38	3	30	14.2	0.86
RT-65B	65	F	5	2.8							0.5			ABLP	UC T B E	129 x 98 x 38	3	30	14.2	0.86
RT-65C	66	F	5			2.2						0.5		ABLP	UC T B E	129 x 98 x 38	3	30	14.2	0.86
RT-65D	68	F	4	1			1.5							ABLP	UC T B E	129 x 98 x 38	3	30	14.2	0.86
RT-85A	85	F	8	3.5						0.5				ABLP	UC T B E	159 x 97 x 38	3	24	15.4	0.70
RT-85B	88	F	8	3.5							0.5			ABLP	UC T B E	159 x 97 x 38	3	24	15.4	0.70
RT-85C	88	F	7			3						0.5		ABLP	UC T B E	159 x 97 x 38	3	24	15.4	0.70
RT-85D	90	F	6	1			2							ABLP	UC T B E	159 x 97 x 38	3	24	15.4	0.70
RT-125A	131	S	12	5.5						1				ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RT-125B	132	S	12	5							1			ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RT-125C	133	S	10			4.5						1		ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RT-125D	136	S	8	2			3							ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RQ-50B	46	F	5	1						0.5	0.5			ABLP	UC T B E	99 x 97 x 36	3	45	19.5	0.90
RQ-50C	50	F	5			1				0.5		0.5		ABLP	UC T B E	99 x 97 x 36	3	45	19.5	0.90
RQ-50D	53	F	3	0.9			0.9				0.5			ABLP	UC T B E	99 x 97 x 36	3	45	19.5	0.90
RQ-65B	63	F	6	2						0.5	0.5			ABLP	UC T B E	129 x 98 x 38	3	30	14.2	0.86
RQ-65C	65	F	5			2				0.5		0.5		ABLP	UC T B E	129 x 98 x 38	3	30	14.2	0.86
RQ-65D	68	F	4	1.5			1				0.5			ABLP	UC T B E	129 x 98 x 38	3	30	14.2	0.86
RQ-85B	81	F	7	3.1						0.5	0.5			ABLP	UC T B E	159 x 97 x 38	3	24	15.4	0.70
RQ-85C	83	F	7			2.5				0.5		0.5		ABLP	UC T B E	159 x 97 x 38	3	24	15.4	0.70
RQ-85D	84	F	6	2			1				0.5			ABLP	UC T B E	159 x 97 x 38	3	24	15.4	0.70
RQ-125B	120	S	11	4.5						1	0.5			ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RQ-125C	123	S	10			4				1		0.5		ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80
RQ-125D	124	S	8	2.5			2				0.5			ABLP	UC T B E	199 x 98 x 38	3	20	15.0	0.80

Enclosed Switching Power Supply



PFC Series (Single Output) / (Multiple Output)

Model	W	Input (Note 1)	Multiple Output Rated Current (A)										Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing		
			3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	36V	48V					pcs	kg	CUFT
SP-75-□	75	F	15	15	10	6.3	5.6	5	3.2	2.8		1.6	A B J P	U C T B E	179x 99x 33	3	20	12.0	0.64
SP-100-□	100	F	20	20	13.5	8.5	7.5	6.7	4.2	3.8		2.1	A B G J P	U C T B E	179x 99x 33	3	20	14.3	1.17
SP-150-□	150	F	30	30	20	12.5	11.2	10	6.3	5.6		3.2	A B C G J P	U C T B E	199x 99x 50	3	20	16.4	1.28
SP-200-□	200	F	40	40	26.7	16.7	14.9	13.4	8.4	7.5		4.2	A B C E G J O	U C T B E	199x 99x 50	3	20	17.9	1.28
USP-225-□	225	F	40	40		18.7		15		9.4		4.7	A B C J	U C T B E	202x 101.5x 38	3	16	14.6	0.76
SP-320-□	320	F	60	55	40	25	22	20	13	11.7	8.8	6.7	A B C E J O	U C T B E	215x 115x 50	3	12	14.0	0.92
USP-350-□	350	F	70	70		29.2		23.4	14.6			7.3	A B C J	U C T B E	235.2x 101.5x 38	3	16	18.0	0.72
SP-480-□	480	F	85	85		40		32	20			10	A B C G H J O	U C T B E	278x 127x 43	3	6	11.3	0.67
SP-500-□	500	F				40	36	32	20	18		10	A B C D G J O	U C T B E	170x 120x 93	3	8	15.5	10.6
USP-500-□	500	F		80		42		33.5	21			10.5	A B C F G H I J	U C T B E	254x 127x 41	3	---	---	---
SP-750-□	750	F		120		62.5		50	31.3	27.8		15.7	A B C F G H J O	U C T B E	278x 127x 63.5	3	6	18.4	0.98

Model	W	Input (Note 1)	Multiple Output Rated Current (A)														Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing		
			3.3V	5V	12V	15V	24V	-5V	-12V	-15V	-15V	±5V	±12V	±15V	±24V	pcs					kg	CUFT	
TP-75A	74	F		7	3			0.6									A B J P	U C T B E	179x 99x 33	3	20	12.7	0.64
TP-75B	76	F		7	3				0.4								A B J P	U C T B E	179x 99x 33	3	20	12.7	0.64
TP-75C	75	F		6		2.5				0.5							A B J P	U C T B E	199x 99x 33	3	20	12.7	0.64
TP-75D	76	F		7	0.4		1.5										A B J P	U C T B E	179x 99x 33	3	20	12.7	0.64
TP-7503	75	F	8	9	0.3												A B J P	U C T B E	179x 99x 33	3	20	12.7	0.64
TP-100A	101	F		10	4			0.6									A B C J P	U C T B E	199x 99x 50	3	20	17.6	1.28
TP-100B	105	F		10	4			0.6									A B C J P	U C T B E	199x 99x 50	3	20	17.6	1.28
TP-100C	104	F		10		3				0.6							A B C J P	U C T B E	199x 99x 50	3	20	17.6	1.28
TP-100D	105	F		10	0.6		2										A B C J P	U C T B E	199x 99x 50	3	20	17.6	1.28
TP-150A	150	F		15	6			0.6									A B C J O	U C T B E	199x 99x 50	3	20	19.0	1.28
TP-150B	148	F		15	5.5			0.6									A B C J O	U C T B E	199x 99x 50	3	20	19.0	1.28
TP-150C	152	F		15		4.5				0.6							A B C J O	U C T B E	199x 99x 50	3	20	19.0	1.28
TP-150D	154	F		15	0.6		3										A B C J O	U C T B E	199x 99x 50	3	20	19.0	1.28
QP-100B	101	F		10	3			0.6	1								A B C J P	U C T B E	199x 99x 50	3	20	18.4	1.28
QP-100C	101	F		10		2.2		0.6		1							A B C J P	U C T B E	199x 99x 50	3	20	18.4	1.28
QP-100D	100	F		8	2.4		1		0.6								A B C J P	U C T B E	199x 99x 50	3	20	18.4	1.28
QP-100F	103	F		8		2	1			0.6							A B C J P	U C T B E	199x 99x 50	3	20	18.4	1.28
QP-100-3A	99	F	8	8	2.5			0.6									A B C J P	U C T B E	199x 99x 50	3	20	18.4	1.28
QP-100-3B	100	F	8	8	2.2				0.6								A B C J P	U C T B E	199x 99x 50	3	20	18.4	1.28
QP-100-3C	101	F	8	8		1.7				0.6							A B C J P	U C T B E	199x 99x 50	3	20	18.4	1.28
QP-100-3D	105	F	8	8			1.3		0.6								A B C J P	U C T B E	199x 99x 50	3	20	18.4	1.28
QP-150B	150	F		15	4		0.6	2									A B C J O	U C T B E	199x 99x 50	3	20	19.6	1.28
QP-150C	153	F		15		3		0.6		2							A B C J O	U C T B E	199x 99x 50	3	20	19.6	1.28
QP-150D	150	F		10	4		2		0.6								A B C J O	U C T B E	199x 99x 50	3	20	19.6	1.28
QP-150F	152	F		10		3	2			0.6							A B C J O	U C T B E	199x 99x 50	3	20	19.6	1.28
QP-150-3A	146	F	10	10	5			0.6									A B C J O	U C T B E	199x 99x 50	3	20	19.6	1.28
QP-150-3B	150	F	10	10	5				0.6								A B C J O	U C T B E	199x 99x 50	3	20	19.6	1.28
QP-150-3C	152	F	10	10		4				0.6							A B C J O	U C T B E	199x 99x 50	3	20	19.6	1.28
QP-150-3D	150	F	10	10			2.5		0.6								A B C J O	U C T B E	199x 99x 50	3	20	19.6	1.28
QP-200D	203	F		15	4		3		0.7								A B C F H J O	U C T B E	215x 115x 50	3	12	15.4	0.92
QP-200F	203	F		15		3	3			0.7							A B C F H J O	U C T B E	215x 115x 50	3	12	15.4	0.92
QP-200-3A	200	F	15	15	6			0.7									A B C F H J O	U C T B E	215x 115x 50	3	12	15.4	0.92
QP-200-3B	205	F	15	15	6				0.7								A B C F H J O	U C T B E	215x 115x 50	3	12	15.4	0.92
QP-200-3C	210	F	15	15		5				0.7							A B C F H J O	U C T B E	215x 115x 50	3	12	15.4	0.92
QP-200-3D	204	F	15	10			4		0.7								A B C F H J O	U C T B E	215x 115x 50	3	12	15.4	0.92
QP-200-3E	206	F	15	10			4			0.7							A B C F H J O	U C T B E	215x 115x 50	3	12	15.4	0.92
QP-320D	316	F		20	10		3		2								A B C F H J O	U C T B E	215x 115x 50	3	12	15.4	0.92
QP-320F	316	F		20		8	3			1.6							A B C F H J O	U C T B E	215x 115x 50	3	12	15.4	0.92
QP-375-5A	378	F		30	10						6.3						A B C F G H J O R	U C T B E	280x 127x 63.5	3	6	14.8	1.45
QP-375-5B	357	f		30	10					3	6						A B C F G H J O R	U C T B E	280x 127x 63.5	3	6	14.8	1.45
QP-375-5C	378	F		30	9							4	4				A B C F G H J O R	U C T B E	280x 127x 63.5	3	6	14.8	1.45
QP-375-5D	378	F		30	9						4			3			A B C F G H J O R	U C T B E	280x 127x 63.5	3	6	14.8	1.45
QP-375-5E	378	F		30	9										3	2	A B C F G H J O R	U C T B E	280x 127x 63.5	3	6	14.8	1.45
QP-375-24B	386	F		10			10					4	4				A B C F G H J O R	U C T B E	280x 127x 63.5	3	6	14.8	1.45
QP-375-24C	410	F		10			10						4	4			A B C F G H J O R	U C T B E	280x 127x 63.5	3	6	14.8	1.45



Enclosed Switching Power Supply

NE Series (Single Output) / (Multiple Output)

Model	W	Input (Note 1)	Single Output Rated Current (A)								Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing		
			3.3V	5V	7.5V	9V	12V	15V	24V	48V					pcs	kg	CUFT
NES-15-□	15	F		3.0			1.3	1.0	0.7	0.35	A B C P	UC B E	79x 51x 28	2	60	13.0	0.46
NES-25-□	25	F		5.0			2.1	1.7	1.1	0.57	A B P	UC B E	99x 82x 35	2	45	14.5	0.66
NES-35-□	35	F		7.0			3.0	2.4	1.5	0.8	A B P	UC B E	99x 97x 36	2	45	17.2	0.93
NES-50-□	50	F		10			4.2	3.4	2.2	1.1	A B P	UC B E	129x 98x 38	2	45	19.5	1.24
NES-75-□	75	F		14			6.2	5.0	3.2	1.6	A B P	UC B E	159x 97x 38	2	30	16.6	0.97
NES-100-□	100	S		20	13.6	11.2	8.5	7.0	4.5	2.3	A B P	UC B E	159x 97x 38	2	30	17.5	0.97
NES-150-□	150	S	30	26	20	16.7	12.5	10	6.5	3.3	A B P	UC T E	199x 98x 38	2	30	22.0	1.24

Model	W	Input (Note 1)	Multiple Output Rated Current (A)									Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing		
			5V	12V	15V	24V	-5V	-12V	-15V	pcs	kg					CUFT		
NED-35A	32	F	4.0	1.0								A B P	UC B E	99x 97x 36	2	45	17.2	0.93
NED-35B	35	F	2.2			1.0						A B P	UC B E	99x 97x 36	2	45	17.2	0.93
NED-50A	54	F	6.0	2.0								A B P	UC B E	129x 98x 38	2	45	21.0	1.24
NED-50B	54	F	4.0			1.4						A B P	UC B E	129x 98x 38	2	45	21.0	1.24
NED-75A	71	F	7.0	3.0								A B P	UC B E	159x 97x 38	2	30	16.6	0.97
NED-75B	73	F	5.0			2.0						A B P	UC B E	159x 97x 38	2	30	16.6	0.97
NET-35A	30	F	3.0	1.0			0.5					A B P	UC B E	99x 97x 36	2	45	17.2	0.93
NET-35B	33	F	3.0	1.0				0.5				A B P	UC B E	99x 97x 36	2	45	17.2	0.93
NET-35C	35	F	2.5		1.0				0.5			A B P	UC B E	99x 97x 36	2	45	17.2	0.93
NET-35D	37	F	2.5	1.0		0.5						A B P	UC B E	99x 97x 36	2	45	17.0	0.93
NET-50A	47	F	4.0	2.0			0.5					A B P	UC B E	129x 98x 38	2	45	21.0	1.24
NET-50B	50	F	4.0	2.0				0.5				A B P	UC B E	129x 98x 38	2	45	21.0	1.24
NET-50C	50	F	4.0		1.5				0.5			A B P	UC B E	129x 98x 38	2	45	21.0	1.24
NET-50D	51	F	3.0	1.0		1.0						A B P	UC B E	129x 98x 38	2	45	21.0	1.24
NET-75A	69	F	6.0	3.0			0.5					A B P	UC B E	159x 97x 38	2	30	16.6	0.97
NET-75B	65	F	5.0	2.8				0.5				A B P	UC B E	159x 97x 38	2	30	16.6	0.97
NET-75C	72	F	6.0		2.3				0.5			A B P	UC B E	159x 97x 38	2	30	16.6	0.97
NET-75D	73	F	5.0	1.0		1.5						A B P	UC B E	159x 97x 38	2	30	16.6	0.97

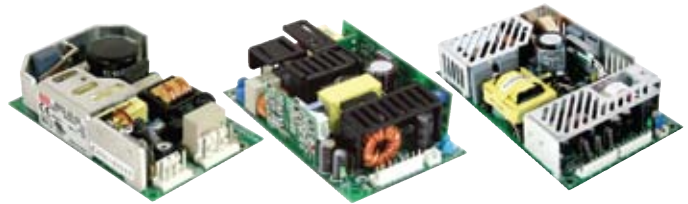
AD Series - with UPS Function (Multiple Output)

Model	W	Input (Note 1)	Multiple Output Rated Current (A)												Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing		
			5V	12V	13.3V	13.4V	13.8V	24V	26.5V	27.1V	27.6V	48V	53.5V	54V					pcs	kg	CUFT
ADS-5512	51	F	3	3											A B P V	UC T B E	159x 97x 38	2	24	12.6	0.75
ADS-5524	58	F	2					2							A B P V	UC T B E	159x 97x 38	2	24	12.6	0.75
AD-55A	51	F				0.23	3.5								A B P V	UC T B E	159x 97x 38	2	24	12.6	0.75
AD-55B	54	F						0.16		1.8					A B P V	UC T B E	159x 97x 38	2	24	12.6	0.75
ADD-55A	53	F	3			0.23	2.5								A B P V	UC T B E	159x 97x 38	2	24	12.6	0.75
ADD-55B	55	F	3					0.16		1.3					A B P V	UC T B E	159x 97x 38	2	24	12.6	0.75
ADS-15512	153	F	3	11.5											A B J P V W	UC T B E	199x 110x 50	2	16	15.0	0.95
ADS-15524	154	F	3					5.8							A B J P V W	UC T B E	199x 110x 50	2	16	15.0	0.95
ADS-15548	154	F	3							2.9					A B J P V W	UC T B E	199x 110x 50	2	16	15.0	0.95
AD-155A	152	F		0.5		10.5									A B J P V W	UC T B E	199x 110x 50	2	16	15.0	0.95
AD-155B	152	F						0.5	5						A B J P V W	UC T B E	199x 110x 50	2	16	15.0	0.95
AD-155C	157	F									0.2	2.7			A B J P V W	UC T B E	199x 110x 50	2	16	15.0	0.95
ADD-155A	153	F	3	0.5		9.5									A B J P V W	UC T B E	199x 110x 50	2	16	15.0	0.95
ADD-155B	153	F	3						0.5	4.5					A B J P V W	UC T B E	199x 110x 50	2	16	15.0	0.95
ADD-155C	150	F	3								0.2	2.3			A B J P V W	UC T B E	199x 110x 50	2	16	15.0	0.95

Parallel Series (Single Output)

Model	W	Input (Note 1)	Single Output Rated Current (A)								Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing		
			5V	12V	13.5V	15V	24V	27V	48V	pcs					kg	CUFT	
SCN-600-□	600	S	100	50		40	25		12	A B C G H I O Q	UC B	291x 132x 68	2	8	24.0	1.29	
SCN-800-□	800	S		66		54	33		16.6	A B C G H I O Q		291x 132x 68	2	8	24.0	1.29	
SCN-1K2-□	1200	230	180	100		80	50		24	A B C G H I O Q	UC B	291x 132x 132	2	4	20.0	1.29	
SCN-1K5-□	1500	230		125		100	62.5		32	A B C G H I O Q		291x 132x 132	2	4	20.0	1.29	
SCN-2K0-□	2000	230.3φ	250	167		134	83.5		42	A B C G H I O Q		320x 212x 134	2	1	10.0	1.66	
SCP-600-□	600	230	100	50		40	25		12	A B C E F G H I J O Q	UC T B E	291x 120x 68	3	8	20.0	1.29	
SCP-800-□	800	230		66		53	33		16	A B C F G H I J O Q	UC T B E	291x 120x 68	3	8	20.0	1.29	
SCP-1K2-□	1200	230	200	100		80	50		24	A B C F G H I J O Q	UC T B E	291x 120x 132	3	4	19.0	1.29	
SCP-2K4-□	2400	230.3φ		200		160	100		50	A B C F G H I J O Q	UC T B E	350x 212x 124	3	1	10.0	1.66	
PSP-500-□	500	F	80	41.5	37	33	20.8	18.5	10.5	A B C F G H I J O	UC T B E	278x 127x 63.5	3	6	15.7	1.45	
PSP-600-□	600	F	80	50	44.5	40	25	22.2	12.5	A B C F G H I J O	UC T B E	170x 120x 93	3	8	15.5	1.06	
PSP-1000-□	1000	F	145	75	67	60	37.6	33.6	19	A B C G H I J O	UC T B E	278x 129x 127	3	3	16.3	1.42	
RSP-1000-□	1000	F		60		50	40	37	21	A B C F G H I J N O Q	UC T B E	295x 127x 41	3	6	12.7	0.99	
RCP-100-□	1000	F		60			40		21	A B C F G H I J N O Q f	UC T B E	295x 127x 41	3	6	12.5	1.04	
PSP-1500-□	1500	230	217.5	112.5	100.5	90	56.4	50.4	28.5	A B C G H J O	UC T B E	278x 129x 190.5	3	2	15.5	1.28	
RSP-1500-□	1500	F	240	125		100	63	56	32	A B C G H I J N O Q	UC T B E	278x 127x 83.5	3	6	16.6	1.75	

Open Frame Switching Power Supply



Medical PCB Series (Single Output) / (Multiple Output)

Model	W	Input (Note 1)	Single Output Rated Current (A)									Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing			
			3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	36V					48V	pcs	kg	CUFT
MPS-30-□	30	F		5.0		2.5		2.0	1.2	1.1		0.6	A B C P+	UC V B E	101.6x 65.8x 23.5	3	90	15.8	1.02
MPS-45-□	45	F	8.0	8.0	5.4	3.7	3.3	3.0	1.9	1.7		1.0	A B P+	UC V B E	127x 76.2x 28	3	72	15.1	1.35
MPS-60-□	60	F	11	11		5.5		4.4	2.75			1.375	A B P+	UC V B E	101.6x 50.8x 29	3	96	15.4	0.89
MPS-65-□	65	F	12	12	8.0	5.2	4.7	4.2	2.7	2.4		1.35	A B P+	UC V B E	127x 76.2x 42	3	54	14.6	1.35
MPS-75-□	75	F	20	18.7		8.3		6.7	4.2		2.8	2.1	A B P+	UC V B E	127x 76.2x 31	3	63	15.5	1.35
MPS-120-□	120	F	24	22		10		8.0	5.0			2.5	A B F P+	UC V B E	177.8x 108x 35.5	3	24	14.5	1.04
MPS-200-□	200	F	40	40		16.7		13.4	8.4			4.2	ABCFGHJP+	UC V B E	177.8x 107.2x 35.5	3	24	16.8	1.04

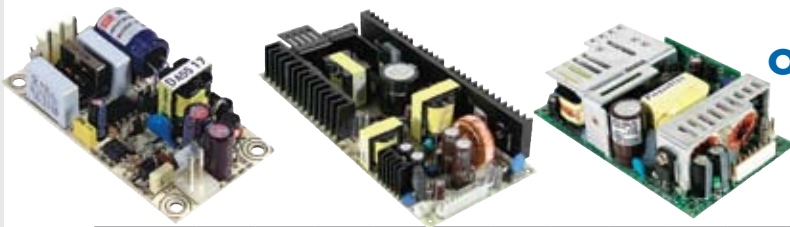
Model	W	Input (Note 1)	Multiple Output Rated Current (A)									Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing			
			3.3V	5V	12V	15V	24V	-5V	-12V	-15V	pcs					kg	CUFT		
MPD-45A	40	F		3.2	2.0								A B P+	UC V B E	127x 76.2x 28	3	72	17.4	1.35
MPD-45B	45	F		3.2				1.2					ABP+	UC V B E	127x 76.2x 28	3	72	17.4	1.35
RPD-60A	49	F		5.0	2.0								ABP+	UC V B E	101.6x 50.8x 29	3	96	15.4	0.89
RPD-60B	54	F		3.5				1.5					ABP+	UC V B E	101.6x 50.8x 29	3	96	15.4	0.89
MPD-65A	61	F		5.5	2.8								ABP+	UC V B E	127x 76.2x 42	3	54	16.0	1.35
MPD-65B	66	F		3.5				2.0					ABP+	UC V B E	127x 76.2x 42	3	54	16.0	1.35
RPD-75A	73	F		7.0	3								ABP+	UC V B E	127x 76.2x 61	3	63	16.7	1.35
RPD-75B	71	F		5.0				2.0					ABP+	UC V B E	127x 76.2x 61	3	63	16.7	1.35
MPD-120A	110	F		10	5.0								ABFP+	UC V B E	177.8x 108x 35.5	3	24	14.5	1.04
MPD-120B	120	F		10				2.9					ABFP+	UC V B E	177.8x 108x 35.5	3	24	14.5	1.04
MPD-200A	196	F		20	8.0								ABCFGHJP+	UC V B E	177.8x 107.2x 35.5	3	24	16.8	1.04
MPD-200B	196	F		20				4.0					ABCFGHJP+	UC V B E	177.8x 107.2x 35.5	3	24	16.8	1.04
MPT-45A	41	F		3.0	2.0			0.3					ABP+	UC V B E	127x 76.2x 28	3	72	18.0	1.35
MPT-45B	43	F		3.0	2.0				0.3				ABP+	UC V B E	127x 76.2x 28	3	72	18.0	1.35
MPT-45C	44	F		3.0		1.6				0.3			ABP+	UC V B E	127x 76.2x 28	3	72	18.0	1.35
RPT-60A	47	F		4.0	2.0			0.5					ABP+	UC V B E	101.6x 50.8x 29	2	96	15.4	0.89
RPT-60B	50	F		4.0	2.0				0.5				ABP+	UC V B E	101.6x 50.8x 29	2	96	15.4	0.89
RPT-60C	50	F		4.0		1.5				0.5			ABP+	UC V B E	101.6x 50.8x 29	2	96	15.4	0.89
RPT-60D	48	F		3.5	0.5			1.0					ABP+	UC V B E	101.6x 50.8x 29	2	96	15.4	0.89
RPT-6003	40	F	5.0	3.0	0.7								ABP+	UC V B E	101.6x 50.8x 29	2	96	15.4	0.89
MPT-65A	60	F		5.5	2.5			0.5					ABP+	UC V B E	127x 76.2x 42	3	54	16.8	1.35
MPT-65B	64	F		5.5	2.5				0.5				ABP+	UC V B E	127x 76.2x 42	3	54	16.8	1.35
MPT-65C	65	F		5.5		2.0				0.5			ABP+	UC V B E	127x 76.2x 42	3	54	16.8	1.35
RPT-75A	68	F		6.0									ABP+	UC V B E	127x 76.2x 31	3	63	17.4	1.35
RPT-75B	72	F		6.0									ABP+	UC V B E	127x 76.2x 31	3	63	17.4	1.35
RPT-75C	72	F		6.0		2.3							ABP+	UC V B E	127x 76.2x 31	3	63	17.4	1.35
RPT-75D	73	F		5.0	1.0			1.5					ABP+	UC V B E	127x 76.2x 31	3	63	17.4	1.35
RPT-7503	62	F	6.0	6.0	1.0								ABP+	UC V B E	127x 76.2x 31	3	63	17.4	1.35
MPT-120A	111	F		10	4.8								ABFP+	UC V B E	177.8x 108x 35.5	3	24	14.5	1.04
MPT-120B	110	F		10	4.4								ABFP+	UC V B E	177.8x 108x 35.5	3	24	14.5	1.04
MPT-120C	119	F		10		4.0							ABFP+	UC V B E	177.8x 108x 35.5	3	24	14.5	1.04
MPT-120D	110	F		10	0.6			2.2					ABFP+	UC V B E	177.8x 108x 35.5	3	24	14.5	1.04
MPT-200A	200	F		20	7.5			2.0					ABCFGHJP+	UC V B E	177.8x 107.2x 35.5	3	24	16.8	1.04
MPT-200B	196	F		20	6.0				2.0				ABCFGHJP+	UC V B E	177.8x 107.2x 35.5	3	24	16.8	1.04
MPT-200C	201	F		20		4.7				2.0			ABCFGHJP+	UC V B E	177.8x 107.2x 35.5	3	24	16.8	1.04
MPT-200D	196	F		20	2.0								ABCFGHJP+	UC V B E	177.8x 107.2x 35.5	3	24	16.8	1.04
MPQ-120B	111	F		10	4.2			0.6	0.6				ABFP+	UC V B E	177.8x 108x 35.5	3	24	14.5	1.04
MPQ-120C	110	F		10		3.2		0.6		0.6			ABFP+	UC V B E	177.8x 108x 35.5	3	24	14.5	1.04
MPQ-120D	120	F		10	1.0			2.1		0.6			ABFP+	UC V B E	177.8x 108x 35.5	3	24	14.5	1.04
MPQ-120E	109	F		10	3.0	0.6	0.6						ABFP+	UC V B E	177.8x 108x 35.5	3	24	14.5	1.04
MPQ-200B	193	F		15	7.0			2.0	2.0				ABCFGHJP+	UC V B E	177.8x 107.2x 35.5	3	24	16.8	1.04
MPQ-200C	190	F		15		5.0		2.0		2.0			ABCFGHJP+	UC V B E	177.8x 107.2x 35.5	3	24	16.8	1.04
MPQ-200D	195	F		15	2.0			3.0		2.0			ABCFGHJP+	UC V B E	177.8x 107.2x 35.5	3	24	16.8	1.04
MPQ-200E	200	F		15		2.0	2.7			2.0			ABCFGHJP+	UC V B E	177.8x 107.2x 35.5	3	24	16.8	1.04



On Board Type (Single Output) * NFM: PCB type; PM: module type

Model	W	Input (Note 1)	Single Output Rated Current (A)					Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing		
			3.3V	5V	12V	15V	24V					pcs	kg	CUFT
NFM-05-□	5	F	1.25	1	0.42	0.33	0.23	ABCP+	UC V B E	58x 45x 19.1	3	120	4.6	0.97
NFM-10-□	10	F	2.5	2	0.85	0.67	0.42	ABCP+	UC V B E	65x 45x 22	3	120	6.4	0.97
NFM-15-□	15	F	3.5	3	1.25	1	0.63	ABCP+	UC V B E	70x 48x 22	3	120	8.8	0.97
NFM-20-□	20	F	4.5	4.4	1.8	1.4	0.92	ABCP+	UC V B E	89x 81x 19.3	3	105	10.5	0.97
PM-05-□	5	F	1.25	1	0.42	0.33	0.23	ABP+	UC V B E	62.9x 50x 19.7	3	120	11.2	0.97
PM-10-□	10	F	2.5	2	0.85	0.67	0.42	ABP+	UC V B E	70x 50x 22.7	3	120	13.6	0.97
PM-15-□	15	F	3.5	3	1.25	1	0.63	ABP+	UC V B E	75x 50x 22.7	3	120	17.8	0.97
PM-20-□	20	F	4.5	4.4	1.8	1.4	0.92	ABP+	UC V B E	94x 56x 22.7	3	90	17.2	0.97

Open Frame Switching Power Supply



General Type (Single Output) / (Multiple Output)

Model	W	Input (Note 1)	Multiple Output Rated Current (A)									Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing			
			3.3V	5V	7.5V	12V	13.5V	15V	20V	24V	27V					48V	pcs	kg	CUFT
PS-05-□	5	F		1		0.45		0.35		0.22		0.11	ABCP	B E	75x 40x 20	2	120	6.25	1.00
PS-15-□	15	F		2.8		1.25		1.0		0.625		0.313	ABCP	B E	94x 49x 25	2	120	11.0	0.91
PS-25-□	25	F	5	5	3.3	2.1	1.9	1.7		1.0	0.9	0.5	ABCP	A B C P	107x 61x 28	2	96	15.0	1.30
PS-45-□	45	F	8	8	5.4	3.7	3.3	3.0		1.9	1.7	1.0	ABP	UC T B E	127x 76.2x 28	2	72	15.6	1.35
PS-65-□	65	F	12	12	8.0	5.2	4.7	4.2		2.7	2.4	1.35	ABP	UC T B E	127x 76.2x 42	2	54	14.2	1.35
PPS-125-□	125	F	25	25		10.5	9.3	8.4		5.2	4.6	2.6	ABHJP	UC T B E	127x 76.2x 34.6	3	36	14.3	0.91
ASP-150-□	150	F				11		9.5	7.5	6.3		3.2	ABHJP	UC B E	169x 60.7x 28.5	3	48	15.8	0.85
PPS-200-□	200	F		36		16.6		13.3		8.3	7.4	4.167	ABCHJP	UC T B E	127x 76.2x 34.6	3	36	14.3	0.91

Model	W	Input (Note 1)	Multiple Output Rated Current (A)									Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing			
			3.3V	5V	12V	15V	24V	36V	48V	-5V	-12V					-15V	pcs	kg	CUFT
PD-25A	25	F		2.1	1.2								ABCP	UC T B E	107x 61x 28	2	96	15.9	1.30
PD-25B	25	F		1.2			0.8						ABCP	UC T B E	107x 61x 28	2	96	15.9	1.30
PD-2505	25	F		2.5						2.5			ABCP	UC T B E	107x 61x 28	2	96	15.9	1.30
PD-2512	24	F			1						1		ABCP	UC T B E	107x 61x 28	2	96	15.9	1.30
PD-2515	24	F				0.8						0.8	ABCP	UC T B E	107x 61x 28	2	96	15.9	1.30
PD-2503	25	F	3	3									ABCP	UC T B E	107x 61x 28	2	96	15.4	1.30
PD-45A	40	F		3.2	2								ABP	UC T B E	127x 76.2x 28	2	72	16.0	1.35
PD-45B	45	F		3.2		1.2							ABP	UC T B E	127x 76.2x 28	2	72	16.0	1.35
PD-65A	61	F		5.5	2.8								ABP	UC T B E	127x 76.2x 42	2	54	15.0	1.35
PD-65B	66	F		3.5		2							ABP	UC T B E	127x 76.2x 42	2	54	15.0	1.35
RPD-65C	60	F		1.2	4.5								ABP	UC T B E	127x 76x 29	2	63	16.0	1.35
RPD-65D	60	F		1.2		2.25							ABP	UC T B E	127x 76x 29	2	63	16.0	1.35
PID-250A	205	F		5	15								ABCGJP	UC T B E	222x 95x 40	3	18	14.3	0.88
PID-250B	251	F		5		9.4							ABCGJP	UC T B E	222x 95x 40	3	18	14.3	0.88
PID-250C	252	F		5			6.3						ABCGJP	UC T B E	222x 95x 40	3	18	14.3	0.88
PID-250D	251	F		5				4.7					ABCGJP	UC T B E	222x 95x 40	3	18	14.3	0.88
PT-45A	41	F		3	2					0.3			ABP	UC T B E	127x 76.2x 28	2	72	17.0	1.35
PT-45B	43	F		3	2						0.3		ABP	UC T B E	127x 76.2x 28	2	72	17.0	1.35
PT-45C	44	F		3		1.6							ABP	UC T B E	127x 76.2x 28	2	72	17.0	1.35
PT-45A03	45	F	4	4	1								ABP	UC T B E	127x 76.2x 28	2	72	17.6	1.35
PT-65A03	62	F	6	6	1								ABP	UC T B E	127x 76.2x 42	2	54	16.2	1.35
PT-65A	60	F		5.5	2.5					0.5			ABP	UC T B E	127x 76.2x 42	2	54	15.9	1.35
PT-65B	64	F		5.5	2.5						0.5		ABP	UC T B E	127x 76.2x 42	2	54	15.9	1.35
PT-65C	65	F		5.5		2					0.5		ABP	UC T B E	127x 76.2x 42	2	54	15.9	1.35
PT-65D	68	F		4	2		1						ABP	UC T B E	127x 76.2x 42	2	54	15.9	1.35
RPT-65E	63	F		1.2	4.5					0.5			ABP	UC T B E	127x 76x 29	2	63	16.0	1.35
RPT-65F	66	F		1.2	4.5						0.5		ABP	UC T B E	127x 76x 29	2	63	16.0	1.35
RPT-65G	66	F		1.2	0.5		2.25						ABP	UC T B E	127x 76x 29	2	63	16.0	1.35
PPT-125A	99	F	12.5	10	0.63							0.3	ABJP	UC T B E	127x 76.2x 34.6	3	36	14.3	0.91
PPT-125B	124	F		14.38	3.75							0.63	ABJP	UC T B E	127x 76.2x 34.6	3	36	14.3	0.91
PPT-125C	125	F		13.75		3.13						0.63	ABJP	UC T B E	127x 76.2x 34.6	3	36	14.3	0.91
PPT-125D	126	F		8.75	0.63		3.13						ABJP	UC T B E	127x 76.2x 34.6	3	36	14.3	0.91
PPQ-1003A	109	F	10	10	2							0.3	ABJP	UC T B E	178x 108x 38	3	24	15.5	1.34
PPQ-1003B	111	F	10	10	2							0.3	ABJP	UC T B E	178x 108x 38	3	24	15.5	1.34
PPQ-1003C	110	F	10	10		1.5						0.3	ABJP	UC T B E	178x 108x 38	3	24	15.5	1.34
PPQ-1003D	114	F	10	10	2		0.3						ABJP	UC T B E	178x 108x 38	3	24	15.5	1.34
PPQ-100B	101	F		10	3.4					0.6	0.6		ABJP	UC T B E	178x 108x 38	3	24	15.9	1.34
PPQ-100C	101	F		10		2.6				0.6		0.6	ABJP	UC T B E	178x 108x 38	3	24	15.9	1.34
PPQ-100D	102	F		8	0.6		2					0.6	ABJP	UC T B E	178x 108x 38	3	24	15.9	1.34



Slim Type (Single Output)

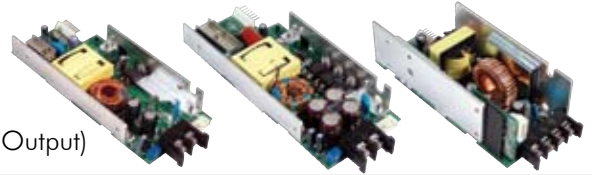
Model	W	Input (Note 1)	Single Output Rated Current (A)									Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing		
			3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	48V					pcs	kg	CUFT
LPS-05-□	50	F	10	10		4.2		3.4	2.1		1.1	ABGP	UC T B E	195x 55x 23	2	48	12.5	0.84
LPS-10-□	75	F	15	15		6.2		5.0	3.2		1.56	ABGP	UC T B E	222x 55x 30	2	48	15.6	1.12
LPS-15-□	100	F	20	20	13.3	8.4	7.5	6.7	4.2	3.8	2.1	ABP	UC T B E	222x 62x 32	2	24	12.5	1.76
LPP-20-□	100	F	20	20	13.3	8.5	7.5	6.7	4.2	3.8	2.1	ABJP	UC T B E	222x 62x 32	2	24	13.9	1.76
LPP-05-□	150	F	30	30	20	12.5	11.2	10	6.3	5.6	3.2	ABCJP	UC T B E	222x 75x 41	2	24	16.6	1.39

Enclosed Switching Power Supply



Modular Series - Front-End

Model	W	Input Note 1	No. of Slot	Encoding Examples	Features Note 2	Safety Note 3	Dimension LxWxH (mm)	Warr. (years)	Packing		
									pcs	kg	CUFT
MP450	450	F	5	MP450- L N P R S	CGJMNO	UC T BE	254x 127x 63.5	3	6	11.8	1.25
MP650	650	F	5	MP650- A 2 E A U	CGJMNO	UC T BE	278x 127x 63.5	3	6	14.0	1.34
MP1K0	1000	F	7	MP1K0- A 2 E H S 2 K	CGJMNO	UC T BE	278x 177.8x 63.5	3	6	19.0	1.74



Modular Series - Output Module (Single Output) / (Multiple Output)

Model	W	No of Slot Used	Single Output Rated Current (A)										Features (Note 2)	Warr. (Years)			
			2V	3.3V	5V	7.5V	12V	15V	18V	24V	27V	33V			48V		
MS-75	75	1		L 15	M 15			N 6.3	O 5		P 3.2				Q 1.6	ABGH	3
MS-150	150	1	A 25	B 25	C 25	D 18	E 13	F 10	G 8.5	H 6.5	I 5.8	J 4.7	K 3.2			ABGH	3
MS-300	300	2	2A 50	2B 50	2C 50	2D 40	2E 25	2F 20	2G 16.7	2H 12.5	2I 11.2	2J 9.1	2K 6.3			ABGHI	3



Model	W	No of Slot Used	Multiple Output Rated Current (A)				Features (Note 2)	Warr. (Years)
			5V	12V	15V	24V		
MD-100R	90	1	10	8			ABG	3
MD-100S	100	1	10	4.2			ABG	3
MD-100T	101	1	10		3.4		ABG	3
MD-100U	100	1	8			2.5	ABG	3
MD-100V	101	1		3.4		2.5	ABG	3
MD-100W	101	1		5	3.4		ABG	3
MD-100X	101	1				4 2.7	ABG	3

DIN Series - Single Phase (Single Output)



Model	W	Input (Note 1)	Single Output Rated Current (A)					Features (Note 2)	Safety (Note 3)	Dimension (WxHxD) (mm)	Warr. (Years)	Packing		
			5V	12V	15V	24V	48V					pcs	kg	CUFT
MDR-20-□	20	F	3	1.67	1.34	1		ABFP	L T B E	22.5x 90x 100	3	72	14.7	0.91
DR-30-□	30	F	3	2.0	2.0	1.5		ABPX	UC T B E	78x 93x 56	3	48	14.0	1.02
MDR-40-□	40	F	6	3.33		1.7	0.83	ABFP	L T B E	40x 90x 100	3	42	13.6	0.82
DR-45-□	45	F	5	3.5	2.8	2.0		ABCP	L T B E	78x 93x 67	3	48	16.1	1.30
MDR-60-□	60	F	10	5		2.5	1.25	ABFP	UC T B E	78x 93x 56	3	48	15.4	1.02
DR-60-□	60	F	6.5	4.5	4.0	2.5		ABPX	UC T B E	78x 93x 56	3	48	15.4	1.02
DR-75-□	75	F		6.3		3.2	1.6	ABCP	L T B E	55.5x 125.2x 100	3	20	13	1.10
DR-100-□	100	F		7.5	6.5	4.2		ABCPX	UC T B E	100x 93x 56	3	36	13.6	1.10
DR-120-□	120	S		10		5	2.5	ABCP	UC L T B E	65.5x 125.2x 100	3	20	16.5	1.10
DRP-240-□	240	F				10	5	ABCIP	UC L T B E	125.5x 125.2x 100	3	12	15.5	1.20
DRP-480-□	480	230				20	10	ABCKP	UC L T B E	227x 125.2x 100	3	6	15.0	1.75
DRP-480S-□	480	S				20	10	ABCKP	UC L T B E	227x 125.2x 100	3	6	16.6	1.75

DIN Series - Single Phase/Three Phase High Input Voltage (Single Output)



Model	W	Input (Note 1)	Single Output Rated Current (A)		Features (Note 2)	Safety (Note 3)	Dimension WxHxD (mm)	Warr. (Years)	Packing		
			24V	48V					pcs	kg	CUFT
DRH-120-□	120	H.1 φ	5	2.5	ABCP	B E	65.5x 125.2x 100	3	20	16.0	1.36
DRT-240-□	240	H.3 φ	10	5	ABCP	UC L T B E	125.5x 125.2x 100	3	12	16.6	1.34
DRT-480-□	480	H.3 φ	20	10	ABCP	UC L T B E	227x 125.2x 100	3	6	16.0	1.75
DRT-960-□	960	H.3 φ	40	20	ABCIP	UC L T B E	276x 125.2x 100	3	4	14.2	1.14

ELN/PLN/CLG Series - UL1310 Class 2 Unit for LED Lighting (Single Output)

Model	W	Input (Note 1)	Single Output Rated Current (A)									Features (Note 2)	Safety (Note 3)	Dimension WxHxD (mm)	Warr. (Years)	Packing		
			5V	9V	12V	15V	20V	24V	27V	36V	48V					pcs	kg	CUFT
PLN-30-□	30	F		3.3	2.5	2	1.5	1.25	1.12	0.84	0.63	ABCIPY	T E CU	145x 47x 30	2	60	14.2	1.19
ELN-30-□	30	F	5	3.4	2.5	2		1.25	1.12		0.63	ABCPYZ	E	145x 47x 30	2	60	14.2	1.19
ELN-60-□	60	F		5	5	4		2.5	2.3		1.3	ABCPYZ	E	181x 61.5x 35	2	24	13.0	0.75
CLG-60-□	60	F		5	4	3		2.5	2.3	1.7	1.3	ABCIPY	UC T E	172x 61.5x 39	3	16	14.8	0.54
PLN-60-□	60	F		5	4	3		2.5	2.3	1.7	1.3	ABCIPY	UC T E	181x 61.5x 35	2	24	13.0	0.75
CLG-100-□	96	F		5	5	4.8		4	3.55	2.65	2	ABCIPY	UC T E	222x 68x 39	3	12	13.0	0.49
PLN-100-□	96	F		5	5	4.8		4	3.55	2.65	2	ABCIPY	UC T E	200x 70.5x 35	2	20	11.4	0.76

External Switching Power Supply



Charger (Single Output)

Model	W	Input (Note 1)	Single Output Rated Current (A)									Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing			
			13.5V	13.8V	14.4V	27V	27.6V	28.8V	54V	55.2V	57.6V					pcs	kg		
PO-120Δ-13▽	99	S		7.2										ABCKPT	L G B E	PCB :144x 90x 35	2	16	17.9
PO-120Δ-27▽	119	S						4.3						ABCKPT	L G B E	With case:	2	16	17.9
PO-120Δ-54▽	121	S										2.2		ABCKPT	L G B E	180x 96x 49	2	16	17.9
ESC/P-120-□	108	S	8.0				4.0					2.0		ABCPTVW	CU E	150x 140x 86	2	8	12.0
ESC/P-240-□	216	S	16				8.0					4.0		ABCOTVW	CU E	150x 140x 86	2	8	13.0
PB-300-□	300	S				20.85							5.3	ABCKPTVW	UC B E	253x 135x 48.5	2	6	9.7
PB-360-□	360	S				24.3				12.5			6.25	ABCKTVW	UC B E	253x 135x 48.5	2	6	10

* Note : ○=S: Power supply; A: Voltage detector; B: Current detector; Δ = P: With PFC; N: None PFC; ▽=P: Open P.C.B; C: With Case



Desktop (Single Output) / (Multiple Output)

Model	W	Input (Note 1)	Single Output Rated Current (A)												Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing			
			3.3V	5V	7.5V	9V	12V	15V	18V	19V	20V	24V	28V	48V					pcs	kg		
GS15○-□P1J	15	F	2.18	2.4	1.6	1.66	1.25	1	0.83					0.62	0.31	ABPU	L G B E F	100x 58.5x 32.8	1	90	18	
ES18Δ-□P1J	18	F	2.72	3	2	2	1.5	1.2	1					0.75	0.64	ABPU	L G B E F C C	A:93x 54x 36	1	50	16	
GS18○-□P1J	18	F	3	3	2	2	1.5	1.2	1					0.75	0.64	0.375	ABPU	L G B E F	B/C:79x 54x 33	1	60	15
ES25Δ-□P1J	25	F		4	2.93	2.77	2.08	1.66	1.38					1.04	0.89	0.52	ABPU	L G B E F C C	A:93x 54x 36	1	50	16
GS25○-□P1J	25	F		4	2.93	2.77	2.08	1.66	1.38					1.04	0.89	0.52	ABPU	L G B E F	B/C:79x 54x 33	1	60	15
P30○-□P2J	27	F	3.68	4	3.06	2.89	2.25	1.8	1.5					1.12		0.56	ABCPU	L G B E	108x 67x 36	1	54	20
P40○-□P2J	40	F	4.54	5	4	3.88	3.33	2.66	2.22					1.66		0.83	ABCPU	L G B E	108x 67x 36	1	54	20
P66A-□R1B	48	F		8.5	6.4												ABPU	L G B E	147x 76x 43	1	36	21
P66A-□P2J	66	F					5.55	5.5	4.4	3.66				2.75		1.37	ABPU	L G B E	147x 76x 43	1	36	21
U655○-P2J	80	F						6.66	5.33	4.44				3.33	1.66	ABPTU	L G B E	168x 79x 45	1	25	19	
FM90C□-P1M	90	F						6.6					4.75	3.75		ABJP	L G B E F	133x 58x 30	1	32	14.5	
AS-120P-□	120	F						8.4	6.7					6	5	2.5	ABCJP	L G B E	167x 67x 35	1	30	16.6

Model	W	Input (Note 1)	Multiple Output Rated Current (A)							Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing		
			3.3V	5V	12V	15V	-12V	-15V	5VSB					pcs	kg	
P25A13D-R1B	25	F		2.5	0.8		0.3			ABCP	L G B E	108x 67x 36	1	54	20	
P25A14E-R1B	25	F		2.5		0.5		0.3		ABCP	L G B E	108x 67x 36	1	54	20	
P25B13D-R1B	25	F		2.5	0.8		0.3			ABCP	L G B E	108x 67x 36	1	54	20	
P25B14E-R1B	25	G		2.5		0.5		0.3		ABCP	L G B E	108x 67x 36	1	54	20	
P50A13D-R1B	50	F		4	2		0.5			ABP	L G B E	147x 76x 43	1	36	21	
P50A14E-R1B	50	F		4		1.5		0.5		ABP	L G B E	147x 76x 43	1	36	21	
ATX-100	100	F		5	6	3.75		0.3		1	ABCI	L G B E	210x 85x 46	2	***	***

* Note : Inlet Style Δ=A:IEC 320-C14; B:C8; C:C6; ○=A:IEC 320-C14; BC8; □=Output Voltage

Medical Desktop (Single Output)

Model	W	Input (Note 1)	Single Output Rated Current (A)										Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing	
			3.3V	5V	7.5V	9V	12V	15V	18V	24V	28V	48V					pcs	kg
MES30Δ-□P1J	30	F	5	5	3.33	3.33	2.5	2	1.66	1.25	10.7	0.62	ABCPU	UC V B E	108x 67x 36	2	54	20
MES50A-□R1B	50	F	7.5	7.5	5.33								ABCPU	UC V B E	147x 75.5x 43.2	2	36	21
MES50A-□P1J	50	F				5	4.16	3.33	2.77	20.8	1.78	10.4	ABCPU	UC V B E	147x 75.5x 43.2	2	36	21

Wall Mounted (Single Output)

Model	W	Input (Note 1)	1.38Single Output Rated Current (A)											Features (Note 2)	Safety (Note 3)	Dimension (LxWxH) (mm)	War. (Years)	Packing		
			3.3V	5V	7.5V	9V	12V	15V	18V	24V	28V	36V	48V					pcs	kg	
GS06U-□ P1J	6	F		1	0.8	0.66	0.5	0.4	0.33	0.25				0.125	ABPUX	L B E F	32x 66x 42.5	1	90	10
GS12U-□P1J	12	F		2	1.6	1.33	1	0.8	0.67	0.5					ABPX	L B E F	65x 47x 26.5	1	---	---
GS15U-□P1J	15	F	2.18	2.4	1.6	1.66	1.25	1	0.67	0.62				0.31	ABPUX	L B E F	34x 71x 50	1	84	14
GS18U-□P1J	18	F		3	2	2	1.5	1.2	0.83	0.75	0.64			0.375	ABPUX	L B E F	79x 54x 33	1	60	13.5
ES18U-□P1J	18	F	2.72	3	2	2	1.5	1.2	1	0.75	0.64			0.375	ABPUX	L B E F	79x 54x 33	1	60	13.5
GS25U-□P1J	25	F		4	2.93	2.77	2.08	1.66	1	1.04	0.89			0.52	ABPUX	L B E F	79x 54x 33	1	60	13.5
ES25U-□P1J	25	F		4	2.93	2.77	2.08	1.66	1.38	1.04	0.89	0.69		0.52	ABPUX	L B E F	79x 54x 33	1	60	13.5
GS06E-□P1J	6	F		1	0.8	0.66	0.5	0.4	1.39	0.25				0.125	ABPUX	G B E	32x 66x 42.5	1	90	10
GS12E-□P1J	12	F		2	1.6	1.33	1	0.8	0.33	0.5					ABPX	G B E F	65x 47x 26.5	1	---	---
GS15E-□P1J	15	F	2.18	2.4	1.6	1.66	1.25	1	0.67	0.62				0.31	ABPUX	G B E	34x 71x 50	1	60	12
GS18E-□P1J	18	F		3	2	2	1.5	1.2	0.83	0.75	0.64			0.375	ABPUX	G B E F	79x 54x 33	1	60	13.5
ES18E-□P1J	18	F	2.72	3	2	2	1.5	1.2	1	0.75	0.64			0.375	ABPUX	G B E	79x 54x 33	1	60	13.5
GS25E-□P1J	25	F		4	2.93	2.77	2.08	1.66	1	1.04	0.89			0.52	ABPUX	G B E F	79x 54x 33	1	60	13.5
ES25E-□P1J	25	F		4	2.93	2.77	2.08	1.66	1.38	1.04	0.89	0.69		0.52	ABPUX	G B E F	79x 54x 33	1	60	13.5

DC/DC Converter



Module Type (Single Output) / (Multiple Output)

Model	W	Input (vdc)	Single Output Rated Current (A)					Features (Note 2)	Safety (Note 3)	Dimension (WxHxD) (mm)	Warr. (Years)	Weight (g)	
			3.3V	5V	9V	12V	15V						24V
SBT01Δ-□	1	Δ=L, M ▽=L, M, N ○=L, M, N, O L:5±10%; M:12±10% N:24±10%; O:48±10% □=A, B, C A:9~18 B:18~36 C:36~72		200	111	84	67		A P c	UC	0.5"x0.3"x0.24"	1	1.3
SFT01Δ-□	1		200	111	84	67		A P e	UC	0.6"x0.3"x0.24"	1	1.7	
SPR01○-□	1		200	100	84	67		A P c	E F	0.77"x0.28"x0.4"	1	2.3	
SPO02▽-□	2		520		500	488		A P e	E F	0.77"x0.28"x0.4"	1	2.3	
SCW03○-□	3		600		250	200		A P a b c e g	E F	1.25"x0.8"x0.48"	1	15	
SCW05○-□	5		1000	556	470	400		A P a b c e g	E F	1.25"x0.8"x0.48"	1	15	
SSCW08○-□	8		1600		670	533		A P a c g	E F	1.25"x0.8"x0.48"	1	15	
SKE10○-□	10		2000		840	666	420	A P a b c e h	E F	2"x1"x0.44"	1	32	
SKA15○-□	15		3000	3000	1250	1000		A P a b c e h	E F	2"x1"x0.44"	1	60	
SKE15-□	15		3000		1250	1000	625	A P a b c e h	E F	2"x2"x0.43"	1	65	
SDM30-12S□	30		9~18	5000	5000	2100	1700		A B G P Q a c	E	2"x2"x0.63"	1	100
SDM30-24S□	30		18~36	5000	5000	2500	2000		A B G P Q a c	E	2"x2"x0.63"	1	100
SDM30-48S□	30		36~72	5000	5000	2500	2000		A B G P Q a c	E	2"x2"x0.63"	1	100

Model	W	Input (vdc)	Single Output Rated Current (A)				Features (Note 2)	Safety (Note 3)	Dimension (WxHxD) (mm)	Warr. (Years)	Weight (g)
			±5V	±12V	±15V	±24V					
DCW03○-□	3	○=A, B, C A:9~18 B:18~36 C:36~72	±300	±125	±100		A P a b c e g	E F	1.25"x0.8"x0.48"	1	15
DCW05○-□	5		±500	±230	±190		A P a b c e g	E F	1.25"x0.8"x0.48"	1	15
DCW08○-□	8		±800	±335	±267		A P a c g	E F	1.25"x0.8"x0.48"	1	15
DKE10○-□	10		±1000	±420	±333	±210	A P a b c e h	E F	2"x1"x0.44"	1	32
DKA15○-□	15		±1500	±625	±500		A P a b c e h	E F	2"x1"x0.44"	1	60
DKE○-□	15		±1500	±625	±500	±313	A P a b c e h	E F	2"x2"x0.43"	1	65

Module Type (Single Output) / (Multiple Output)

Model	W	Input (vdc)	Single Output Rated Current (A)					Features (Note 2)	Safety (Note 3)	Dimension (WxHxD) (mm)	Warr. (Years)	Packing		
			3.3V	5V	9V	12V	15V					pcs	kg	CUFT
NSD10-12S-□	10	12: 9.8~36	2.5	2	1.1	0.83	0.67	A B G P b d	UC E	24.5x50.8x10	2	300	7	0.97
NSD10-48S-□	10	48: 22~72	2.5	2	1.1	0.83	0.67	A B G P b d	UC E	24.5x50.8x10	2	300	7	0.97
NSD15-12S-□	15	12: 9.4~36	3.75	3		1.25	1	A B G P Q d	UC E	38.1x50.8x9.82	2	180	6.4	0.97
NSD15-48S-□	15	48: 18~72	3.75	3		1.25	1	A B G P Q d	UC E	38.1x50.8x9.82	2	180	6.4	0.97

Model	W	Input (vdc)	Single Output Rated Current (A)			Features (Note 2)	Safety (Note 3)	Dimension (WxHxD) (mm)	Warr. (Years)	Packing		
			±5V	±12V	±15V					pcs	kg	CUFT
NSD10-12D-□	10	12: 9.8~36	1	0.83	0.33	A B G P b d	UC E	24.5x50.8x10	2	300	7	0.97
NSD10-48D-□	10	48: 22~72	1	0.83	0.33	A B G P b d	UC E	24.5x50.8x10	2	300	7	0.97
NSD15-12D-□	15	12: 9.4~36	3	1.5	0.5	A B G P Q d	UC E	38.1x50.8x9.82	2	180	6.4	0.97
NSD15-48D-□	15	48: 18~72	3	1.5	0.5	A B G P Q d	UC E	38.1x50.8x9.82	2	180	6.4	0.97

Enclosed Type (Single Output)



Model	W	Input (vdc)	Single Output Rated Current (A)				Features (Note 2)	Safety (Note 3)	Dimension (WxHxD) (mm)	Warr. (Years)	Packing		
			5V	12V	24V	48V					pcs	kg	CUFT
SD-15○-□	15	○=A, B, D Δ=B, C, D A:9.2~18 B:19~36 C:36~72 D:72~144 ▽=L, H L:19~72 H:72~144	3	1.25	0.625		A B P a d	E	79x51x28	1	60	11.8	0.46
SD-25○-□	25		5	2.1	1.1		A B P a d	E	99x97x36	1	45	17.8	0.9
SD-50○-□	50		10	4.2	2.1		A B P a d	E	159x97x38	1	24	12.7	0.75
SD-100Δ-□	100		20	8.5	4.2		A B P a d	E	199x98x38	1	20	13.8	0.8
SD-150Δ-□	150		12.5	6.3			A B P a d	E	199x110x50	1	16	14.5	0.95
SD-200Δ-□	200		34	16.7	8.4	4.2	A B C P a d	E	215x115x50	2	12	14.4	0.92
SD-350Δ-□	350		57	27.5	14.6	7.3	A B C O a b	E	215x115x50	2	12	14.4	0.92
SD-1000▽-□	1000		60	40	21		A B C F G H O a b	E B	295x127x41	3	6	12.7	0.99

Industrial ATX Power Supply

1U Industrial ATX PC Power



Model	W	Input (Note 1)	Single Output Rated Current (A)					Features (Note 2)	Safety (Note 3)	Dimension (WxHxD) (mm)	Warr. (Years)	Packing			
			3.3V	5V	12V	24V	-5V					-12V	5VSB	pcs	kg
IPC-200	200	F	15	25	13		0.5	1	2	A B F G H J O	UC T B E	240x83x40	2	10	15.4
IPC-250	250	F	20	25	15		0.5	1	2	A B F G H J O	UC T B E	240x83x40	2	10	15.4
IPC-300A	300	F	20	30	18		0.5	1	2	A B F G H J O	UC T B E	260x83x40	2	10	15.6
IPC-300B	300	F	30	30	18	3	0.5	1	2	A B F G H J O	UC T B E	260x83x40	2	10	15.6



DIN SERIES

20W-60W Slim Type Single Output Models
30W-100W Slim Step Shape Class II Models
45W-480W Single Phase Models
120W-960W High Input Voltage Models
Redundancy and DC UPS Modules



Current Automation

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20W~ 60W Slim Type Single Output Models

20W Series (MDR-20)

Model	Output	Tol.	R&N	Efficiency
MDR-20-5	5V, 0-3.00A	±2%	80mV	76%
MDR-20-12	12V, 0-1.67A	±1%	120mV	80%
MDR-20-15	15V, 0-1.3A	±1%	120mV	81%
MDR-20-24	24V, 0-1.00A	±1%	150mV	84%

40W Series (MDR-40)

Model	Output	Tol.	R&N	Efficiency
MDR-40-5	5V, 0-6.00A	±2%	80mV	78%
MDR-40-12	12V, 0-3.33A	±1%	120mV	86%
MDR-40-24	24V, 0-1.70A	±1%	150mV	88%
MDR-40-48	48V, 0-0.83A	±1%	200mV	88%

60W Series (MDR-60)

Model	Output	Tol.	R&N	Efficiency
MDR-60-5	5V, 0-10.0A	±2%	80mV	78%
MDR-60-12	12V, 0-5.00A	±1%	120mV	86%
MDR-60-24	24V, 0-2.50A	±1%	150mV	88%
MDR-60-48	48V, 0-1.25A	±1%	200mV	87%

Features

- Universal AC input/ Full range
- No load power consumption <0.75W
- Protections: Short circuit/overload/over voltage
- LED indicator for power on
- Installed on DIN rail TS35/7.5 or 15
- DC OK signal output (20W)
- DC OK relay contact (40W and 60W)
- Cooling by free air convection
- 100% full load burn-in test



General specifications

Model no.	MDR-20	MDR-40	MDR-60
AC input voltage range	85-264VAC; 120-370VDC		
AC inrush current (max.)	Cold start, 20A at 115VAC, 40A at 230VAC		Cold start, 30A at 115VAC,
DC adjustment range	±10% rated output voltage		0 - +20% rated output voltage
Overload protection	105%-160% constant current limiting, auto-recovery		105% - 150% constant current limiting, auto-recovery
Over voltage protection	115% - 135% rated output voltage		125% - 150% rated output voltage
Setup, rise, hold up time	500ms, 30 ms, 50ms at full load and 230VAC		
Withstand voltage	I/P-0/P:3KVAC, I/P-FG:1.5KVAC, 1 minute		
Working temperature	-20 - 50°C@100%, 70°C@50% load	-20 - 60°C@100%, 70°C@60% load	-20 - 55°C@100%, 70°C@60% load)5V only; -20 - 45°C@100%, 70°C@50% load)
DC OK signal	Open collector		Relay contact
Safety standards	UL508, TUV EN60950-1 approved		
EMC standards	EN55022 classB, EN61000-3-2-3, ENV50204, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61204-3 (EN61000-6-2 heavy industry level also for 40W and 60W)		
Connection	I/P: 3 poles, O/P: 3 poles screw DIN terminal		IP: 3 poles, O/P: 6 poles screw DIN terminal
Dimension (WxHxD) (mm)	22.5x 90x 100		40x 90x 100
Packing	0.19kg; 72pcs/14.7kg/0.97CUFT		0.33kg; 42pcs/13.6kg/0.82CUFT

30W ~ 100W Step Shape Class II Models

30W Series (DR-30)

Model	Output	Tol.	R&N	Efficiency
DR-30-5	5V, 0-3.0A	±2%	80mV	74%
DR-30-12	12V, 0-2.0A	±1%	120mV	81%
DR-30-15	15V, 0-2.0A	±1%	120mV	82%
DR-30-24	24V, 0-1.5A	±1%	150mV	83%

60W Series (DR-60)

Model	Output	Tol.	R&N	Efficiency
DR-60-5	5V, 0-6.5A	±2%	80mV	76%
DR-60-12	12V, 0-4.5A	±1%	120mV	82%
DR-60-15	15V, 0-4.0A	±1%	120mV	83%
DR-60-24	24V, 0-2.5A	±1%	150mV	84%

100W Series (DR-100)

Model	Output	Tol.	R&N	Efficiency
DR-100-12	12V, 0-7.5A	±1%	120mV	84%
DR-100-15	24V, 0-6.5A	±1%	120mV	85%
DR-100-24	48V, 0-4.2A	±1%	150mV	86%

Features

- Universal AC input/ Full range
- Protections:
Short circuit/overload/over voltage /over temperature (100W)
- Cooling by free air convection
- Installed on DIN rail TS-35/7.5 or 15
- Isolation Class II
- 100% full load burn-in test
- LED indicator for power on
- Suitable for building automation
- and control of household appliance



General specifications

Model no.	DR-30	DR-60	DR-100
AC input voltage range	85-264VAC; 120-370VDC	88 - 264VAC; 124 - 370VDC	
AC inrush current (max.)	Cold start, 30A at 230VAC	Cold start, 36A at 230VAC	
DC adjustment range	±10%	±10%	12V: 12 - 15V 15V: 15 - 18V, 24V: 24 - 29V
Overload protection	105 - 160% constant current limiting, auto-recovery		105 - 135% constant current limiting, auto recovery
Over voltage protection	Range	115% - 135% rated output voltage	
	Type	Shut off, AC recycle to re-start	
Withstand voltage	I/P-O/P:3KVAC		
Working temperature	-20 - +60°C(please refer to output derating curves)		
Safety standards	UL60950-1, TUV EN60950-1 approved		
EMC standards	EN55022 class B, EN61000-3-2-3, ENV50204, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61204-3 EN61000-6-2 heavy industry level		
Connection	I/P: 2 poles, O/P: 4 poles screw DIN terminal		
Dimension (WxHxD) (mm)	78x 93x 56	78x 93x 56	100x 93x 56
Case no.	918B	918B	970A
Packing	48pcs/14.0kg	48pcs/15.4kg	36pcs/13.6kg

45W ~ 480W Single Phase

45W Series (DR-45)

Model	Output	Tol.	R&N	Efficiency
DR-4505	5V, 0-5.0A	±2%	80mV	74%
DR-4512	12V, 0-3.5A	±1%	120mV	81%
DR-4515	15V, 0-2.8A	±1%	120mV	82%
DR-4524	24V, 0-2.0A	±1%	150mV	83%

75W Series (DR-75)

Model	Output	Tol.	R&N	Efficiency
DR-75-12	12V, 0-6.3A	±2%	100mV	76%
DR-75-24	24V, 0-3.2A	±1%	150mV	80%
DR-75-48	48V, 0-1.6A	±1%	240mV	81%

120W Series (DR-120)

Model	Output	Tol.	R&N	Efficiency
DR-120-12	12V, 0-10A	±2%	80mV	80%
DR-120-24	24V, 0-5.0A	±1%	80mV	84%
DR-120-48	48V, 0-2.5A	±1%	100mV	85%

240W Series (DRP-240)

Model	Output	Tol.	R&N	Efficiency
DRP-240-24	24V, 0-10A	±1%	80mV	84%
DRP-240-48	48V, 0-5.0A	±1%	150mV	85%

480W Series (DRP-480/DRP-480S)

Model	Output	Tol.	R&N	Efficiency
DRP-480-24	24V, 0-20A	±1%	120mV	89%
DRP-480-48	48V, 0-10A	±1%	120mV	89%
DRP-480S-24	24V, 0-20A	±1%	120mV	89%
DRP-480S-48	48V, 0-10A	±1%	120mV	89%



Features

- Universal AC input/full range (DR-45/75, DRP-240)
AC input selectable by switch (DR-120, DRP-480S)
AC input 180 - 264V only (DRP-480)
- Build-in active PFC function, PF>0.95 (DRP-240)
Build-in passive PFC function compliance to EN61000-3-2 (480W models)
- Protections: Short circuit/overload/over voltage/over temperature
- Cooling by free air convection
- Installed on DIN rail TS-35/7.5 or 15
- 100% full load burn-in test
- UL508 (industrial control equipment) listed
- LED indicator for power on

General specifications

Model no.	DR-45	DR-75	DR-120	DRP-240	DRP-480	DRP-480S
AC input voltage range	85-264VAC (DR-45/75, DRP-240); 90-132/180-264 VAC selectable by switch (DR-120, DRP-120S) 180 - 264VAC only (DRP-480)					
AC inrush current (max.)	Coldstart,56Aat230VAC		Cold start, 40A at 230VAC		Coldstart,45A at 230VAC	Coldstart,40Aat230VAC
DC adjustment range	±10%		12V: 12 ~ 14V, 24V: 24~28V, 48V: 48~53V			
Overload protection	105 - 150% constant current limiting, auto-recovery					
Overvoltageprotection	Range	115% - 142% rated output voltage		30-36V for 24V model, 54-60V for 48V model		
	Type	Shut off, AC recycle to re-start (DR-75: hiccup mode, auto recovery)				
Overtemperatureprotection	Shut down output voltage, recovers automatically after temperature goes down					
Withstand voltage	I/P-O/P:3KVAC, I/P - FG: 1.5KVAC, O/P - FG: 0.5KVAC, 1 minute					
Working temperature	-10 - +50°C		-10 - +60°C		-10 - +70°C	
Safety standards	UL508, TUV EN60950-1 approved (UL60950-1 also for DR-120, DRP-240, DRP-480, DRP480S)					
EMC standards	EN55022 class B, EN61000-3-2,3, ENV50204, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61000-6-2 heavy industry level					
Connection	I/P: 3 poles, O/P: 4 poles screw DIN terminal					
Dimension(WxHxD)(mm)	78x 93x 67	55.5x125.2x100	65.5x125.2x100	125.5x125.2x100	227x125.2x100	
Case no.	918A	923	921A	922A	930	
Packing	48pcs/16.1kg	20pcs/13.0kg	20pcs/16.5kg	12pcs/15.5kg	6psc/15.okg	6pcs/16.6kg

120W ~ 960W High Input Voltage

120W Series (DRH-120)

Model	Output	Tol.	R&N	Efficiency
DRH-120-24	24V, 0-5.0A	±1%	80mV	85%
DRH-120-48	48V, 0-2.5A	±1%	80mV	86%

240W Series (DRT-240)

Model	Output	Tol.	R&N	Efficiency
DRT-240-24	24V, 0-10A	±1%	80mV	89%
DRT-240-48	48V, 0-5.0A	±1%	80mV	89%

480W Series (DRT-480)

Model	Output	Tol.	R&N	Efficiency
DRT-480-24	24V, 0-20A	±2%	80mV	890%
DRT-480-48	48V, 0-10A	±1%	80mV	90%

960W Series (DRT-960)

Model	Output	Tol.	R&N	Efficiency
DRT-960-24	24V, 0-40A	±1%	80mV	91%
DRT-960-48	48V, 0-20A	±1%	80mV	92%

Features

- Input 340-550VAC, 3-phase 4 wires (single phase for 120W)
- High efficiency and low dissipation
- Protections: Short circuit/overload/over voltage/over temperature
- Built-in constant current limiting circuit
- Can be installed on DIN rail TS-35/7.5 or 15
- UL508 (industrial control equipment) approved (240-960W)
- EN61000-6-2 industrial immunity level
- Optional parallel function (1+1) (960W only)
- 100% full load burn-in test
- LED indicator for power on



General specifications

Model no.	DRH-120	DRT-240	DRT-480	DRT-960
AC input voltage range	340-550 VAC, single phase	340-550 VAC, 3-phase 4 wires (dual-phase operation possible)		
AC inrush current (max.)	Cold start, 50A at 400 VAC			
DC adjustment range	24V: 24-28V, 48V: 48-55V			
Overload protection	105 - 160% rated output power; Constant current limiting, auto recovery	105 - 150% rated output power; Constant current limiting, auto recovery		105 - 125% constant current limiting, delay shut off after 3 sec.
Over voltage protection	Range	24V: 30-36V, 48V: 59-66V		125 - 155% rated output voltage
	Type	Shut off, AC recycle to re-start		
Over temperature protection	Shut down output voltage, recovers automatically after temperature goes down			
Withstand voltage	I/P-O/P: 3KVAC, I/P - FG: 1.5KVAC, O/P - FG: 0.5KVAC, 1 minute			
Working temperature	-20 - +60°C	-20 - +70°C		-20 - +60°C
Safety standards	IEC60950-1 CB approved	UL508, UL60950-1, TUV EN60950-1 approved		
EMC standards	EN55022 class B, EN61000-3-2,3, ENV50204, EN61000-4-2,3,4,5,6,8,11, EN61204-3, EN61000-6-2 heavy industrial level			
Connection	I/P: 3 poles, O/P: 4 poles	I/P: 4 poles, O/P: 4 poles		I/P: 4 poles, O/P: 6 poles
Dimension (WxHxD) (mm)	65.5x125.2x100	125.5x125.2x100	227x125.2x100	276x125.2x100
Case no.	921	922A	930A	934
Packing	20pcs/16.0kg	12pcs/16.6kg	6pcs/16.0kg	4pcs/14.2kg



C
Q
U
X
DIMENSION



• ML

MINILINE



• SL

SILVERLINE

Miniline 25-100W



Model	Watt	Output Voltage (V) and Rated Current (A)						DC OK Signal	Parallel Use	Overload Behaviour	Dimension (WxHxD) (mm)	AC Input Voltage	DC Input Voltage	Efficiency
		5-5.5V	10-12V	+ -12V + -15V	12-15V	24-28V	48V							
ML30.101	25	5.0A						no	yes	const.curr.	45x75x91mm	100-240V	85-375VDC	79/80%
ML30.102	30		3.0-2.5A					no	yes	const.curr.	45x75x91mm	100-240V	85-375VDC	82.6/84%
ML30.100	30					1.3-1.1A		no	yes	const.curr.	45x75x91mm	100-240V	85-375VDC	87.0/87.5%
ML30.106	36			2.0A				no	no	const.curr.	45x75x91mm	100-240V	85-375VDC	84.0/86%
ML50.102	50				4.2-3.3A			no	yes	const.curr.	45x75x91mm	100-240V	85-375VDC	87.5/90%
ML50.100	50					2.1-1.8A		yes	yes	const.curr.	45x75x91mm	100-240V	85-375VDC	87.7/89%
ML50.101	50					2.1-1.8A		yes	yes	const.curr.	45x75x91mm	100-240V	85-375VDC	87.7/89%
ML50.111	50					2.1-1.8A		yes	yes	const.curr.	45x75x91mm	100-240V	85-375VDC	87.7/89%
ML50.105	50						1.05-0.9A	no	yes	const.curr.	45x75x91mm	100-240V	85-375VDC	88.9/90.3%
ML70.100	72					3.0-2.6A		no	yes	const.curr.	45x75x91mm	115/230V	220-375VDC	90.6/91.5%
ML95.100	95					3.95-3.4A		no	no	const.curr.	73x75x103mm	100/220V	220-375VDC	88.5/90%
ML100.102	90				7.5-6.0A			no	yes	const.curr.	73x75x103mm	100/220V	220-375VDC	87.8/88.5%
ML100.100	100					4.2-3.6A		no	yes	const.curr.	73x75x103mm	100/220V	220-375VDC	88.5/90%
ML100.105	100						2.1-1.8A	no	yes	const.curr.	73x75x103mm	100/220V	220-375VDC	90.4/91.8%
ML90.200	90					3.75-3.2A		no	no	const.curr.	73x75x103mm	380-480V	-	89.5/89%
ML100.200	100					4.2-3.6A		no	yes	const.curr.	73x75x103mm	380-480V	-	89.5/89%

1-Phase-Power Supplies 60-120W



Model	Watt	Output Voltage (V) and Rated Current (A)		Ripple & Noise	DC OK Signal	Parallel Use	Overload Behaviour	Dimension (WxHxD) (mm)	Weight	AC Input Voltage	DC Input Voltage	Efficiency
		24	24-28V									
SL2.100	60	2.5A		25mVpp	no	yes	const. curr.	49x124x102mm	460g	115/230V	160-375V	87.8/89.1%
CS3.241	72-86.4		3.0-2.6A/3.6-3.1A	50mVpp	no	no	const. curr.	32x124x102mm	430g	100-240V	88-375V	90.2/92.6%
QS3.241	80-120		3.4-3.0A/5.0-4.5A	50mVpp	no	yes	const. curr.	32x124x102mm	440g	100-240V	88-375V	88.7/90%
QS5.241	120-180		5.0-4.5A/7.5-6.7A	50mVpp	relay contact	yes	const. curr.	40x124x117mm	620g	100-240V	88-350V	91.6/92.7%
CS5.241	120-144		5.0-4.3A/6.0-5.1A	50mVpp	no	no	const. curr.	32x124x102mm	500g	115/230V	-	89.4/90.2%
CS5.243	120-144		5.0-4.3A/6.0-5.1A	50mVpp	no	no	const. curr.	32x124x102mm	500g	100-120V	-	90.0%/-
CS5.244	120-144		5.0-4.3A/6.0-5.1A	50mVpp	no	no	const. curr.	32x124x102mm	500g	200-240V	210-375V	-/90.2%
SL5.100	120-144	5.0A		50mVpp	no	yes	const. curr.	64x124x102mm	620g	115/230V	210-375V	88.7/89.3%

1-Phase-Power Supplies 180-240W



Model	Watt	Output Voltage (V) and Rated Current (A)					Ripple & Noise	DC OK Signal	Parallel Use	Overload Behaviour	Dimension (WxHxD) (mm)	Weight	AC Input Voltage	DC Input Voltage
		12-15V	24-28V	28-32V	48-56V	48-52								
QS10.121	180-270	15-13.5 22.5-20.3					50mVpp	relay contact	yes	const.curr.	60x124x117mm	930g	100-240	88-375V
QS10.241	240-360		10.0-9A 15.0-13.5A				50mVpp	relay contact	yes	const.curr.	60x124x117mm	900g	100-240	88-375V
CS10.241	240-288		10.0-8.6A 12.0-10.3A				50mVpp	no	no	const.curr.	60x124x117mm	700g	115/230	-
CS10.242	240-288		10.0-8.6A 12.0-10.3A				50mVpp	no	no	const.curr.	60x124x117mm	800g	115/230	-
CS10.243	240-288		10.0-8.6A 12.0-10.3A				50mVpp	no	no	const.curr.	60x124x117mm	700g	100-120	-
CS10.244	240-288		10.0-8.6A 12.0-10.3A				50mVpp	no	no	const.curr.	60x124x117mm	700g	200-240	210-375V
SL10.100	240-288		10.0-8.6A 12.0-10.3A				30mVpp	no	yes	const.curr.	120x124x102mm	980g	115/230	240-375V
QS10.301	240-360			8.6-7.5A 12.8-11.3A			50mVpp	relay contact	yes	const.curr.	60x124x117mm	900g	100-240	88-375V
QS10.481	240-360				5.0-4.3A 7.5-6.5A		100mVpp	relay contact	yes	const.curr.	60x124x117mm	900g	100-240	88-375V
CS10.481	240-288					5-4.6A 6.0-5.5A	100mVpp	no	no	const.curr.	60x124x117mm	700g	115/230	-



1-Phase-Power Supplies 480-720W

Model	Watt	Output Voltage (V) and Rated Current (A)			Ripple & Noise	DC OK Signal	Parallel Use	Overload Behaviour	Dimension (WxHxD) (mm)	Weight	AC Input Voltage	DC Input Voltage	Efficiency
		24-28V	36-42V	48-55V									
QS20.241	480-720	20.0-17.1A 30.0-25.7A			100mV	relay contact	yes	Hiccup	82x124x127mm	1400g	100-240V	88-375V	92.3/93%
SL20.100	480-600	20.0-17.1A 25.0-21.5A			40mV	no	yes	Hiccup	220x124x102mm	1800g	200-240V	270-370V	-/91.4%
SL20.110	480-600	20.0-17.1A 25.0-21.5A			40mV	no	yes	Selectable	220x124x102mm	1800g	115/230V	-	90.1/91.3%
SL20.111	480-600	20.0-17.1A 25.0-21.5A			40mV	no	yes	Selectable	220x124x102mm	2500g	115/230V	-	90.1/90.8%
QS20.361	480-720		13.3-11.4A 20.0-17.1A		100mV	relay contact	yes	Selectable	82x124x127mm	1400g	100-240V	88-375V	92.3/93%
SL20.112	480-600		13.3-11.4A 16.6-14.3A		80mV	no	yes	const.curr.	220x124x102mm	2500g	115/230V	-	91.2/92%
QS20.481	480-720			10.0-8.7A 15.0-13.1A	150mV	relay contact	yes	Hiccup	82x124x127mm	1400g	100-240V	88-375V	92.3/93%
SL20.113	480-600			10.0-8.7A 15.0-13.1A	80mV	no	yes	const.curr.	220x124x102mm	1800g	115/230V	-	92.1/92.8%
SL30.100	720	30.0-25.7A			50mV	no	yes	Hiccup	240x124x112mm	2000g	208-240V	-	-/92.5%



3-Phase-Power Supplies 90-960W

Model	Watt	Output Voltage (V) and Rated Current (A)			Ripple & Noise	DC OK Signal	Parallel Use	Overload Behaviour	Dimension (WxHxD) (mm)	Weight	AC Input Voltage	DC Input Voltage	Efficiency
		24-28V	36-42V	48-55V									
ML90.200 ML100.200	100	4.2-3.6A			50mV	no	yes	const.curr.	73x75x103mm	360g	380-480V	-	89.5/89%
SL5.300	120-144	5.0-4.3A 6.0-5.2A			25mV	no	yes	const.curr.	73x124x117mm	730g	400-500V	450-820V	88.8/88.9%
SL10.300	240-288	10.0-8.6A 12.0-10.3A			30mV	no	yes	selectable	89x124x117mm	980g	400-500V	450-820V	91.9/92.1%
SL10.305	240-288			5.0-4.6A 6.0-5.5A	30mV	no	yes	selectable	89x124x117mm	980g	400-500V	450-820V	93.8/93.9%
QT20.241	480-720	20.0-17.5A 30.0-26A			100mV	relay contact	yes	const.curr.	65x124x127mm	870g	380-480V	-	95.0/94.8%
SL20.310	480-600	20.0-17.1A 25.0-21.5A			30mV	no	yes	selectable	150x124x121mm	1800g	400-500V	450-820V	92.2/92.2%
QT20.361	480-720		13.3-11.4 20.0-17.1A		150mV	relay contact	yes	const.curr.	65x124x127mm	870g	380-480V	-	94.8/94.6%
QT20.481	480-720			10.0-8.7A 15.0-13A	100mV	relay contact	yes	const.curr.	65x124x127mm	870g	380-480V	-	95.4/95.0%
SL30.300	720	30.0-25.7A			40mV	no	yes	Hiccup	240x124x112mm	2000g	400-500V	450-820V	92.5/92.5%
SL40.300	960-1080	40.0-34.3A 45.0-38.6A			50mV	no	yes	const.curr.	275x124x117mm	3300g	400-500V	-	92.6/92.8%



Semi-Regulated Power Supplies 960W

Model	Watt	Output Voltage (V) and Rated Current (A)				Ripple & Noise	Overload Behaviour	Dimension (WxHxD) (mm)	Weight	AC Input Voltage	DC Input Voltage	Efficiency
		24V	36V	48V	72V							
XT40.241	960	40-50A				1000mV	Shutdown	96x124x157mm	1400g	400V	-	95.5%
XT40.361	960		29.6-33.3A			1500mV	Shutdown	96x124x157mm	1400g	400V	-	95.5%
XT40.481	960			20-25A		2000mV	Shutdown	96x124x157mm	1400g	400V	-	96%
XT40.721	960				13.3-16.7A	3000mV	Shutdown	96x124x157mm	1400g	400V	-	95.5%



Buffer Modules and DC-UPS

Model	Output Buffer Voltage	Output Voltage (V) and Rated Current (A)		Hold-up Time	Dimension (WxHxD) (mm)	Weight	Input/Output decoupling	Signals
		24-28.8V	48-56V					
SLV20.200	22.5V	20A		200ms-310ms at 20A	64x124x102mm	740g	no	Inhibit, Ready, Buffering
UF20.241	22.5V	20A		200ms-310ms at 20A	64x124x102mm	740g	no	Inhibit, Ready, Buffering
UF20.481	45V		20A	100ms-150ms at 20A	64x124x102mm	740g	no	Inhibit, Ready, Buffering
UB10.241	22.3V	10A(15A for 4 sec.)		5'42" ~ 6'15" (7Ah) at 10A 39" ~ 55" (26Ah) at 10A	49x124x117mm	530g	yes	Inhibit, Ready, Buffering, Replace battery

SilverLine



SL-Series

Power supplies for general applications

SLR-Series

The perfect units for building redundant power systems

SLA-Series

Power supplies for use with AS-Interface® field bus

- 1- or 3-phase units
- 40W to 960W output power
- Screw terminals
- Rugged metal housing
- Redundant power supplies and redundancy modules
- Integrated decoupling diode
- Designed for parallel use
- DC-OK relay contact
- Plug connector
- 1- or 3-phase units
- Integrated data-decoupling unit
- Supports IR-adressing-mode

SL20.112
Series:
SilverLine

SL20.112
Size:
Ampacity
at 24VDC

SL20.112
Input:
1... 1-phase input
3... 3-phase input

SL20.112
Generation:
0... 1st Generation
1... 2nd Generation

SL20.112
Options:
e.g. output
voltage

MiniLine



ML-Series

The perfect and compact units for lower power demands.

Available in a variety of output voltages

- 1-phase or 320-550VAC input
- 25W to 100W output power
- 85V to 264V wide-range or auto-select-input voltage
- Wide DC-input voltage
- Output voltages from 5V to 56V
- Single use / parallel use selector
- Quick-connect spring-clamps terminals
- Rugged plastic housing
- Diode module MLY02.100 to build redundant systems or to isolate sensitive loads.

ML50.100
Series:
MiniLine

ML50.100
Size:
corresponds to the
output power at 24VDC

ML50.100
Input:
1... 1-phase input
2... 320-550VAC input

ML50.100
Options:
e.g. output
voltage

DIMENSION

C-Series

Power supplies for general applications with excellent value and the highest quality level. Cost-driven fewer featured series.

- 1-phase units
- 100-120/200-240V auto-select- or wide-range-input
- 20% reserves in output power, may be used continuously up to 45°C
- Low inrush current surge
- Full output power from -25°C to +60°C
- Large screw connection terminals

Q-Series

Premium class power supplies with maximum efficiency, countless features and state-of-the-art technology. The Q-Series is suitable for almost all applications.

- 1- or 3-phase units
- AC- and DC-wide-range input
- 50% reserves in output power
- DC-OK relay contact
- Lowest inrush current surge
- Efficiency up to 95%
- Active harmonic correction
- Active power factor correction
- Extensive approval package
- Full output power between -25°C and +60°C
- Quick-connect spring-clamp connection terminals

U-Series

Two variations of back-up systems which prevent equipment downtime in case of power outages or interruptions.

- 24V and 48V buffer units to bridge power failures up to several 100ms (utilises electrolytic capacitors)
- 24V DC-UPS to bridge longer power failures
- (utilises only one 12V battery)
- Comprehensive monitoring and signalling functions

X-Series

An alternative to fully regulated power supplies. Small size, maximum efficiency and a low price are the benefits with only a small compromises in the precision of the output voltage regulation and buffer time.

- 3-phase units
- Alternative to 50Hz transformer
- 25% reserves in output power
- No inrush current surge
- Efficiency up to 96%
- Shut-down in case of overload
- Simple diagnostics of errors
- Full output power between -25°C and +60°C
- Large screw connection terminals



QS10.241
Series:
Q... Q-Series
C... C-Series
X... X-Series
U... U-Series

QS10.241
Input:
S... 1-phase input
T... 3-phase input

QS10.241
Size:
Ampacity
at 24VDC

QS10.241
Output:
Nominal
output voltage

QS10.241
Options

DC-DC ISOLATED POWER BOOSTERS

FEATURES

- Ignition protection
- Short circuit protection
- Overload Protection
- Over temperature protection
- Parallel operation possible
- Suitable for battery boost and charging
- Input and Output galvanically isolated.
- Output voltage adjustable

- 3 Colour LED indication:
Green-Power On or Standby
Yellow-Input Low
Red-Output Overload



The DC-DC isolated power booster is ideal to regulate and charge batteries in an unstable charging system and to compensate for line loss from long distance charging.

Model	INPUT VOLTAGE	OUTPUT VOLTAGE	CONTINUOUS CURRENT	EFFICIENCY	RIPPLE & NOISE	LOAD REGULATION	SIZE (mm)	WEIGHT (kg)
PB-1108	8~16VDC	13.8VDC	8 AMP	85~90%	30mV	30mV from no load to full load	100 x 115 x 70mm	0.75kg
PB-1112	8~16VDC	13.8VDC	12 AMP				140 x 115 x 70mm	1.0 kg
PB-1120	8~16VDC	13.8VDC	20 AMP				160 x 115 x 70mm	1.2 kg
PB-1130	8~16VDC	13.8VDC	30 AMP				250 x 115 x 70mm	1.7 kg
PB-1140	8~16VDC	13.8VDC	40 AMP				270 x 115 x 70mm	2.1 kg
PB-2205	20~32VDC	27.6VDC	5A		50mV		100 x 115 x 70mm	0.75kg
PB-2210	20~32VDC	27.6VDC	10A				140 x 115 x 70mm	1.0 kg
PB-2215	20~32VDC	27.6VDC	15A				250 x 115 x 70mm	1.7 kg
PB-2220	20~32VDC	27.6VDC	20A				270 x 115 x 70mm	2.1 kg
							270 x 115 x 70mm	2.1 kg

DC-DC POWER CONVERTERS

These DC-DC converters can be used to run 12vdc from 24V, 36V or 48vdc battery systems, or 24vdc from a 12vdc battery system. All units are fitted with an overload and short circuit protection. It will automatically switch off the unit and re-start to operate if the overload or short circuit is removed.

Model	INPUT VOLTAGE	OUTPUT VOLTAGE	CONTINUOUS CURRENT	SIZE (mm)	WEIGHT (kg)
IPC-1205	8~16VDC	27.6VDC	5 AMP	100 x 115 x 70mm	0.75kg
IPC-1210	8~16VDC	27.6VDC	10 AMP	140 x 115 x 70mm	1.0 kg
IPC-1215	8~16VDC	27.6VDC	15 AMP	160 x 115 x 70mm	1.2 kg
IPC-1220	8~16VDC	27.6VDC	20 AMP	250 x 115 x 70mm	1.7 kg
IPC-2110	20~32VDC	13.8VDC	10 AMP	100 x 115 x 70mm	0.75kg
IPC-2120	20~32VDC	13.8VDC	20 AMP	140 x 115 x 70mm	1.0 kg
IPC-2130	20~32VDC	13.8VDC	30 AMP	160 x 115 x 70mm	1.6 kg
IPC-2140	20~32VDC	13.8VDC	40 AMP	250 x 115 x 70mm	1.9 kg
IPC-3110	30~48VDC	13.8VDC	10A	110 x 115 x 70mm	0.75kg
IPC-3120	30~48VDC	13.8VDC	20A	140 x 115 x 70mm	1.0kg
IPC-3130	30~48VDC	13.8VDC	30A	210 x 115 x 70mm	1.6kg
IPC-3140	30~48VDC	13.8VDC	40A	240 x 115 x 70mm	1.9kg
IPC-4110	40~60VDC	13.8VDC	10A	110 x 115 x 70mm	0.75kg
IPC-4120	40~60VDC	13.8VDC	20A	140 x 115 x 70mm	1.0kg
IPC-4130	40~60VDC	13.8VDC	30A	210 x 115 x 70mm	1.6kg
IPC-4140	40~60VDC	13.8VDC	40A	240 x 115 x 70mm	1.9kg

THREE STEP SMART DC-DC BOOSTER CHARGER

FEATURES

- Three step charging
- High Energy efficiency
- Ignition Protected
- Galvanic Isolated
- Overload Protected
- Short Circuit Protected
- Over temperature protection
- Over charging protection - Maximum Charged cycle @ Absorption, 6 hours
- Low ripple and noise
- User freindly LED display
- EMC interference immunity
- Regulated output voltage
- Parallel operation
- Remote Power on/off

The smart DC-DC Booster Charger is a microprocessor time controlled three stage charging system, designed to protect your batteries from being over charged. Meaning that your batteries will perform better and last much longer

Model	INPUT VOLTAGE	OUTPUT VOLTAGE	BULK/ABSORPTION	FLOATING CHARGE	CONTINUOUS CURRENT	SIZE (mm)	WEIGHT (kg)
SDC-1110	10~16VDC	14.2VDC	14.6VDC	13.2~13.8VDC	10A	130 x 150 x 70mm	0.9kg
SDC-1120	10~16VDC	14.2VDC	14.6VDC	13.2~13.8VDC	20A	150 x 150 x 70mm	1.2kg
SDC-1130	10~16VDC	14.2VDC	14.6VDC	13.2~13.8VDC	30A	180 x 150 x 70mm	1.9kg
SDC-1140	10~16VDC	14.2VDC	14.6VDC	13.2~13.8VDC	40A	220 x 150 x 70mm	2.3kg
SDC-1150	10~16VDC	14.2VDC	14.6VDC	13.2~13.8VDC	50A	220 x 150 x 70mm	2.3kg
SDC-2210	20~32VDC	28.4VDC	29.2VDC	26.4~27.6VDC	10A	150 x 150 x 70mm	1.2kg
SDC-2220	20~32VDC	28.4VDC	29.2VDC	26.4~27.6VDC	20A	180 x 150 x 70mm	1.9kg
SDC-2225	20~32VDC	28.4VDC	29.2VDC	26.4~27.6VDC	25A	220 x 150 x 70mm	2.3kg

SMART BATTERY PROTECTOR

The smart battery protector has been designed with overload and short circuit protection capability. It will automatically disconnect a battery if it detects a battery voltage below 10.5vdc of a 12vdc battery and re-start if the battery voltage is back to normal.



Model	INPUT VOLTAGE	BATTERY LOW CUT-OFF-STD	BATTERY LOW CUT-OFF-LO	BATTERY LOW CUT-OFF-HI	BATTERY RE-CONNECT	CONTINUOUS CURRENT	SIZE (mm)	WEIGHT (kg)
SBP-12030	10.5~16VDC	11VDC ±0.2V	10.5VDC ±0.2V	11.5VDC ±0.2V	12.5VDC ±0.2V	30 AMP	120 x 70 x 50 mm	0.4kg
SBP-12060	10.5~16VDC	22VDC ±0.2V	21.0VDC ±0.2V	23VDC ±0.2V	25VDC ±0.2V	60 AMP	150 x 70 x 50 mm	0.6kg
SBP-24030	21~32VDC	11VDC ±0.2V	10.5VDC ±0.2V	11.5VDC ±0.2V	12.5VDC ±0.2V	30 AMP	120 x 70 x 50 mm	0.4kg
SBP-24060	21~32VDC	22VDC ±0.2V	21.0VDC ±0.2V	23VDC ±0.2V	25VDC ±0.2V	60 AMP	150 x 70 x 50 mm	0.6kg