



### Built-in USB power ports

Built-in USB power function to charge cell Phone, PDA, MP3 Player, Smart Phone, and more



### Universal Function

This 90W max power adaptor can work with most popular notebook brands. Compatible with Acer, Asus, Dell, HP, Lenovo, LG, and MSI.



### High safety protection

Over current protection; over voltage protection; over temperature protection; short-circuit protection.

# **DD-90S**

**DC to DC**

**Universal Notebook Car/Truck/Airplane Power Adapter**

## **Features**

### **High Quality**

- \* Slim & Light Weight
- \* 90W Real Continuous Power.

### **High Reliability**

- \* MTBF 50Khrs min at 25°C at full load

### **High Environmental Standard Spec**

- \* High Efficiency
- \* Low Ripple & Noise
- \* Green power available
- \* RoHS & REACH Approval by TUV

### **High Safety**

- \* Over Voltage Protection
- \* Over Current Protection
- \* Over Temperature Protection
- \* Short Circuit Protection

## **General Specification**

<b>Input</b>	
Voltage	DC12V, 12A MAX or DC24V, 6A MAX
Max input current	12A
<b>Environmental Spec</b>	
Operating Temperature	0°C to 40°C
Storage Temperature	-20°C to 65°C
Operating Humidity	8% to 80%
Storage Humidity	8% to 80%
<b>Physical</b>	
Case Dimensions	96(L) x 64(W) x 16(H)mm
Input DC Power Plug	0.65M
Output DC Power Cable	1M
Weight	160g
Construction	PC UL rated 94V-0
<b>Output</b>	

Output	Load Range		Regulation (V)	Rated Power
	Min.	Max.		
12V	0A	4.74A	11.5V~12.5V	56.88W
15V	0A	4.74A	14.5V~15.5V	71.1W
16V	0A	4.74A	15.5V~16.5V	75.84W
18V	0A	4.74A	17.5V~18.5V	85.32W
19V	0A	4.74A	18.5V~19.5V	90.06W
20V	0A	4.5A	19.5V~20.5V	90W
5V(USB)	0A	2A	4.5V~5.5V	10W

## **Certification Approvals**

