Management Philosophy: Respect, Support & Trust.

Doing business is like planting trees. Trees do not become grown overnight. DHC does not look for the traditional buyer-seller relationship. DHC believes comprehensive partnership is very important to business success. DHC desires to be your reliable long-term partner.

**DHC Intelligent Digital Battery Tester:**

Easy, Fast, Accurate, Affordable.

Patented single load, dynamic resistance technology minimizes battery drain during test. You will never be fooled by conditions such as surface charge, parasitic drain & contact impedance.

- Test two series of battery:
  1. VRLA/GEL/AGM, CAL/CAL & SPIRAL Batteries.
  2. Regular Liquid batteries.
- Test both charged & discharged batteries.
- Operation Temperature: 32°F~122°F/0°C~50°C
- In 2 seconds, DHC testers show recommended actions. No more guessing.

**BT2000 Battery & Electrical Performance Platform with Printer**

**BT2000CT**
(with AMP Clamp & Volt Probe)

**Why electronic battery testing?**

- Identify potential battery and electrical system problems before they happen & increase sales.
- Improve customer satisfaction by offering the battery and system check as a standard service.
- Save time and money as part of a battery warranty management system.

**BT2000CT**

- Test two series of battery:
  1. VRLA/GEL/AGM, CAL/CAL & SPIRAL Batteries.
  2. Regular Liquid batteries.
- Test both charged & discharged batteries.
- Operation Temperature: 32°F~122°F/0°C~50°C
- In 2 seconds, DHC testers show recommended actions. No more guessing.

**Model Number**

- **BT2000**
- **BT2000CT**

**Application**

- 6V & 12V Batteries
- 12V & 24V Charging/Starting System

**Operation Range**

- 40 ~ 3000CCA (SAE)

**Rating System**

- SAE, DIN, EN, IEC, JIS (Battery Type No.)

**Voltmeter**

- 1.5V ~ 60V

**Display**

- Back-Lit Display, 4 Lines 16 Characters LCD With Adjustable Brightness

**Thermal Printer**

- Integrated

**Detachable Test Lead**

- 70 inch/180 cm

**Languages**

- English, French, Spanish, German, Italian, Portuguese

**Features**

- Easy-Link Communication to PC via USB
- Date / Time Function
- Test Counter
- Stores Previous 1000 tests
- Test Code

**Optional Accessories**

- 10 – 600 Amp Clamp (BT2000CT)
- 1 Red Test Probe (BT2000CT)

**Included Accessories**

- 1 roll of Printer Paper
- Detachable Test lead
- 6 AA Batteries

**Dimension**

- Approx. L275 x W135 x H80 (mm)

**Part No.**

- Description
  - 350B701000
    - 1 roll/bag, 6 bags/box
  - Replacement Paper Roll
    - 57mm (W) x 30M (L)
### BT2000HD
Battery & Electrical Performance Platform with Printer
Advanced System Analysis for Multiple Battery Packs.

**Model Number**: BT2000HD

**Application**
- 6V & 12V Batteries
- 12V & 24V Charging/Starting System

**Operation Range**: 100 ~ 3000CCA (SAE)

**Rating System**: SAE, DIN, EN, IEC, JIS (Battery Type No.)

**Voltmeter**: 1.5V ~ 60V

**Display**: Back-Lit Display, 4 Lines 16 Characters LCD
- With Adjustable Brightness

**Thermal Printer**: Integrated

**Detachable Test Lead**: 178 inch / 450 cm

**Languages**: English, French, Spanish, German, Italian, Portuguese

**Features**
- Easy-Link Communication to PC via USB
- Date / Time Function
- Test Counter
- Stores Previous 1000 tests
- Battery Pack Test
- User name, Address, Telephone
- or ID Set up of Printout Edition by PC

**Optional Accessories**
- 1 0 – 600 Amp Clamp
- 1 Red Test Probe
- 6 AA Batteries
- 1 roll of Printer Paper

**Included Accessories**
- 1 roll of Printer Paper
- Detachable Test lead
- 6 AA Batteries

**Dimension**: Approx. L275 x W135 x H80 (mm)

---

### BT2000EV
Battery & Electrical Performance Platform with Printer for Deep Cycle Batteries

**Model Number**: BT2000EV

**Application**
- 6V, 8V & 12V Deep-Cycle Batteries
  (Battery Model Built Inside)

**Voltmeter**: 1.5V ~ 60V

**Display**: Back-Lit Display, 4 Lines 16 Characters LCD
- With Adjustable Brightness

**Thermal Printer**: Integrated

**Detachable Test Lead**: 70 inch / 180 cm

**Languages**: English, French, Spanish, German, Italian, Portuguese

**Features**
- Easy-Link Communication to PC via USB
- Date / Time Function
- Test Code / Readable barcode: Code 39
- Test Counter
- Stores Previous 1000 tests

**Optional Accessories**
- 1 0 – 600 Amp Clamp
- 1 Red Test Probe
- 6 AA Batteries

**Included Accessories**
- 1 roll of Printer Paper
- Detachable Test lead
- 6 AA Batteries

**Dimension**: Approx. L275 x W135 x H80 (mm)

---

**Part No.** | **Description**
--- | ---
3568701000 | 1 roll/bag, 6 bags/box

**Part No.** | **Description**
--- | ---
3568701000 | 1 roll/bag, 6 bags/box
### RT 777

**Digital Battery / Charging / Starting System Analyzer with Printer**

**Application:**
- 6V & 12V Automotive Batteries

**Battery Type:**
- a. Regular Liquid
- b. AGM Flat Plate
- c. AGM Spiral
- d. VRLA/GEL

**Global Battery Rating:**
- SAE(CCA), EN, IEC, DIN, JIS (Battery No.)

**Features:**
- Detachable Test Lead
- Back-Lit Display, 4 Lines 16 Characters LCD With Adjustable Brightness
- English, French, Spanish, German, Italian, Portuguese
- Date / Time Function

**Dimensions:**
- L251 x W130 x H64 (mm)

**Part No.**
- 350B701000

**Included Accessories:**
- 1 roll of Printer Paper
- 6 AA Batteries

**Description:**
- 1 roll/bag, 6 bags/box

**Replacement Paper Roll:**
- 57mm (W) x 30M (L)

---

### BT747

**Digital Battery / Charging / Starting System Analyzer With Printer**

**Application:**
- 6V & 12V Automotive Batteries

**Battery Type:**
- a. Regular Liquid
- b. AGM Flat Plate
- c. AGM Spiral
- d. VRLA/GEL

**Global Battery Rating:**
- SAE(CCA), EN, IEC, DIN, JIS (Battery No.)

**System Test:**
- 12V & 24V
  - a. Starter Test
  - b. Charging Test

**Features:**
- Test Code & Test Counter
- 1 roll of Printer Paper
- Heavy-duty blow molded plastic case

**Dimensions:**
- L250 x W145 x H65 (mm)

**Part No.**
- 350B701000

**Included Accessories:**
- 1 roll of Printer Paper

**Description:**
- 1 roll/bag, 6 bags/box

**Replacement Paper Roll:**
- 57mm (W) x 30M (L)

---

### BT767

**Digital Battery / Charging / Starting System Analyzer With Printer**

**Application:**
- 6V & 12V Automotive Batteries

**Battery Type:**
- a. Regular Liquid
- b. AGM Flat Plate
- c. AGM Spiral
- d. VRLA/GEL

**Global Battery Rating:**
- SAE(CCA), EN, IEC, DIN, JIS (Battery No.)

**System Test:**
- 12V & 24V
  - a. Starter Test
  - b. Charging Test

**Features:**
- Test Code: Input the Code number to the decode Excel program for warranty control system.
- Test Counter

**Dimensions:**
- L251 x W130 x H64 (mm)

**Part No.**
- 350B701000

**Included Accessories:**
- 1 roll of Printer Paper

**Description:**
- 1 roll/bag, 6 bags/box

**Replacement Paper Roll:**
- 57mm (W) x 30M (L)
**BT301**
Digital Battery Tester With Printer

**BT501**
Digital Battery / Charging / Starting System Analyzer With Printer

<table>
<thead>
<tr>
<th>Battery Type:</th>
<th>SOH (State of Health)</th>
<th>SOC (State of Charge)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Regular Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. AGM Flat Plate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. AGM Spiral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. VRLA/GEL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Application:
6V & 12V Automotive Batteries

<table>
<thead>
<tr>
<th>Test Lead</th>
<th>31 inch/80 cm</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Languages</th>
<th>English, French, Spanish, German, Italian, Portuguese</th>
</tr>
</thead>
</table>

### Included Accessories
- 2 rolls of Printer Paper
- 4 AA Batteries

### Dimension
L195 x W114 x H50 (mm)

---

**RT002**
Digital Battery / Charging / Starting System Analyzer

### System Test:
12V & 24V
- a. Starter Test
- b. Charging Test

<table>
<thead>
<tr>
<th>Battery Type:</th>
<th>SOH (State of Health)</th>
<th>SOC (State of Charge)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Regular Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. AGM Flat Plate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. AGM Spiral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. VRLA/GEL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Global Battery Rating:
SAE(CCA), EN, IEC, DIN, JIS (Battery No.)

### Part Number
30B301000
2 rolls/bag, 12 bags/box

### Test Results:
- Good & Pass
- Good & Recharge
- Recharge & Retest
- Bad & Replace
- Bad Cell & Replace

---

**BT001**
Digital Battery Tester

**BT002**
Digital Battery / Charging / Starting System Analyzer

### Application:
6V & 12V Automotive Batteries

### System Test:
12V & 24V
- a. Starter Test
- b. Charging Test

<table>
<thead>
<tr>
<th>Battery Type:</th>
<th>SOH (State of Health)</th>
<th>SOC (State of Charge)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Regular Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. AGM Flat Plate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. AGM Spiral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. VRLA/GEL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Global Battery Rating:
SAE(CCA), EN, IEC, DIN, JIS (Battery No.)

### Test Results:
- Good & Pass
- Good & Recharge
- Recharge & Retest
- Bad & Replace
- Bad Cell & Replace

### System Test:
12V & 24V
- a. Starter Test
- b. Charging Test

### Part Number
350B301000
2 rolls/bag, 12 bags/box

### Included Accessories
- 1 9V Battery
- Replacement Paper Roll

---

### Model Number
- **BT301**
- **BT501**
- **BT001**
- **BT002**
- **RT002**

### Application
- 6V & 12V Batteries
- 6V & 12V Batteries
- 6V & 12V Batteries
- 6V & 12V Batteries
- 6V & 12V Batteries

### Operation Range
- 40 ~ 2000CCA (SAE)
- 40 ~ 2000CCA (SAE)
- 40 ~ 2000CCA (SAE)
- 40 ~ 2000CCA (SAE)
- 40 ~ 2000CCA (SAE)

### Display
- Back-Lit Display, 2 Lines 16 Characters LCD
- Back-Lit Display, 4 Lines 16 Characters LCD
- Back-Lit Display, 2 Lines 16 Characters LCD
- Back-Lit Display, 4 Lines 16 Characters LCD
- Back-Lit Display, 2 Lines 16 Characters LCD

### Included Accessories
- Heavy-duty blow molded plastic case
- Heavy-duty blow molded plastic case
- 4 AA Batteries
- 6 AA Batteries
- 1 9V Battery
### BT280
**Digital Battery / Charging / Starting System Analyzer**

- **Application:** 12V Automotive Batteries
- **Battery Type:**
  - a. SLI (Regular Liquid)
  - b. AGM (AGM Flat Plate & AGM Spiral)
  - c. VRLA/GEL
- **Operation Range:** 40 ~ 1200CCA (SAE)
- **Rating System:** SAE, DIN, EN, IEC, CA
- **Voltmeter:** 4.5V ~ 15V
- **Display:** English Graph LCD Blue Back-Lit Display
- **Test Lead:** 20 inch / 50 cm
- **Features:**
  - No Internal Battery
  - Micro Design for Pocket Storage
  - Capable of Internal Resistance Analysis
- **Dimension:** L120 x W79 x H22.7 (mm)

### BT111
**Digital Battery Tester**

- **Application:** 12V Automotive Batteries
- **Battery Type:**
  - a. SEAL (Maintenance Free)
  - b. SLI (Regular Liquid)
- **Global Battery Rating:** SAE/CCA, DIN, EN, IEC, CA/MCA
- **Test Results:**
  - a. OK
  - b. OK & Recharge
  - c. Recharge & Retest
  - d. Bad
- **SOH (State of Health)**
- **SOC (State of Charge)**
- **mΩ**
- **Internal Resistance**

### BT222
**Digital Battery / Charging / Starting System Analyzer**

- **Application:** 12V Automotive Batteries
- **Battery Type:**
  - a. SLI (Regular Liquid)
  - b. AGM (AGM Flat Plate & AGM Spiral)
  - c. VRLA/GEL
- **Global Battery Rating:** SAE/CCA, DIN, EN, IEC, CA/MCA
- **System Test:**
  - a. Starter Test
  - b. Charging Test
- **Test Results:**
  - a. OK
  - b. OK & Recharge
  - c. Recharge & Retest
  - d. Bad & Replace
- **System Test:**
  - a. Cranking (Starter) Test
  - b. ALT. (Alternator) Test
  - c. Ripple Test
- **Capable of Internal Resistance Analysis**
- **Micro Design for Pocket Storage**
- **No Internal Battery**

### Model Number

<table>
<thead>
<tr>
<th>Model Number</th>
<th>BT280</th>
<th>BT111</th>
<th>BT222</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>12V Batteries</td>
<td>12V Batteries</td>
<td>12V Batteries</td>
</tr>
<tr>
<td>12V Charging/Starting System</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operation Range</td>
<td>40 ~ 1200CCA (SAE)</td>
<td></td>
<td>200~1200CCA (SAE)</td>
</tr>
<tr>
<td>Rating System</td>
<td>SAE, DIN, EN, IEC, CA</td>
<td></td>
<td>SAE, DIN, EN, IEC, CA</td>
</tr>
<tr>
<td>Voltmeter</td>
<td>4.5V ~ 16V</td>
<td></td>
<td>7V~15V</td>
</tr>
<tr>
<td>Display</td>
<td>English Graph LCD Blue Back-Lit Display</td>
<td></td>
<td>4 Digital + 3 LEDs (Green, Yellow, Red)</td>
</tr>
<tr>
<td>Test Lead</td>
<td>20 inch / 50 cm</td>
<td></td>
<td>20 inch / 50 cm</td>
</tr>
<tr>
<td>Features</td>
<td>No Internal Battery, Micro Design for Pocket Storage, Capable of Internal Resistance Analysis</td>
<td></td>
<td>No Internal Battery, Micro Design for Pocket Storage</td>
</tr>
<tr>
<td>Dimension</td>
<td>L120 x W79 x H22.7 (mm)</td>
<td></td>
<td>L120 x W70 x H18 (mm)</td>
</tr>
</tbody>
</table>
1. Automatically turns off the load after 10 sec. and holds the voltage.
2. Unique 3 Step design: LED polarity checking function, battery load test and charging system test readout.
3. Microprocessor controlled design guarantees an easy and accurate load test.

1. Top mounted rocker switch for better & easier operation.
2. Rubber insulated carrying handle for both comfort & safety.
3. Does not contain asbestos.

1. Operation Voltage Range: 8V ~ 16Vdc
2. Standby Current Drain: Less than 2mA
3. Buzzing Alarm Current Drain: Less than 80mA
4. Low Battery Voltage Waring: Under 12.2V, Buzz every 10 seconds
5. Reverse Polarity Protection
6. Dimension: L42 x W58 x H20 (mm)
**MS-7 7AH**

Professional Auto Computer Memory Saver

<table>
<thead>
<tr>
<th>Model Number</th>
<th>MS-7A</th>
<th>MS-7E</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC charger</td>
<td>110 ~ 120Vac</td>
<td>220 ~ 240Vac</td>
</tr>
<tr>
<td>Included Accessories</td>
<td>1 AC charger &amp; 1 Accessory Outlet Adapter</td>
<td></td>
</tr>
<tr>
<td>Features</td>
<td>OBDII connector plugs directly into vehicles OBDII Port. Easy to read battery status LEDs- indicate the internal battery power &amp; charging status. Accessory outlet supplies power for 12V DC accessories outfitted with an accessory plug. 7Ah High capacity, rechargeable sealed lead acid battery. Power on-off switch</td>
<td></td>
</tr>
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**Model Number**

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<td></td>
</tr>
<tr>
<td>Features</td>
<td>OBDII connector plugs directly into vehicles OBDII Port. Easy to read battery status LEDs- indicate the internal battery power &amp; charging status. Accessory outlet supplies power for 12V DC accessories outfitted with an accessory plug. 7Ah High capacity, rechargeable sealed lead acid battery. Power on-off switch</td>
<td></td>
</tr>
</tbody>
</table>

**MS-1 4.5AH**

Professional Auto Computer Memory Saver

Saves the vehicles on board diagnostic memory and other on-board memory components such as digital clocks, anti-theft radios, seats, radio presets, mirrors, comfort settings, etc. when the vehicle’s battery is removed or disconnected.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>MS-1A</th>
<th>MS-1E</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC charger</td>
<td>110 ~ 120Vac</td>
<td>220 ~ 240Vac</td>
</tr>
<tr>
<td>Included Accessories</td>
<td>1 OBDII cable</td>
<td></td>
</tr>
<tr>
<td>Features</td>
<td>Fast connection to the vehicle by OBDII cable &amp; accessory outlet adapter. LED lights indicate the circuit with the ignition on or off. State of charge indicator. Resettable fuse. 4.5Ah High capacity, rechargeable sealed lead acid battery. Power on-off switch</td>
<td></td>
</tr>
</tbody>
</table>

**MS-7 7AH**

Professional Auto Computer Memory Saver

Saves the vehicles on board diagnostic memory and other on-board memory components such as digital clocks, anti-theft radios, seats, radio presets, mirrors, comfort settings, etc. when the vehicle’s battery is removed or disconnected.

**Model Number**

<table>
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<tr>
<th>Model Number</th>
<th>MS-7A</th>
<th>MS-7E</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC charger</td>
<td>110 ~ 120Vac</td>
<td>220 ~ 240Vac</td>
</tr>
<tr>
<td>Included Accessories</td>
<td>1 AC charger &amp; 1 Accessory Outlet Adapter</td>
<td></td>
</tr>
<tr>
<td>Features</td>
<td>OBDII connector plugs directly into vehicles OBDII Port. Easy to read battery status LEDs- indicate the internal battery power &amp; charging status. Accessory outlet supplies power for 12V DC accessories outfitted with an accessory plug. 7Ah High capacity, rechargeable sealed lead acid battery. Power on-off switch</td>
<td></td>
</tr>
</tbody>
</table>

**Model Number**

<table>
<thead>
<tr>
<th>Model Number</th>
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<th>MS-1E</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC charger</td>
<td>110 ~ 120Vac</td>
<td>220 ~ 240Vac</td>
</tr>
<tr>
<td>Included Accessories</td>
<td>1 OBDII cable</td>
<td></td>
</tr>
<tr>
<td>Features</td>
<td>Fast connection to the vehicle by OBDII cable &amp; accessory outlet adapter. LED lights indicate the circuit with the ignition on or off. State of charge indicator. Resettable fuse. 4.5Ah High capacity, rechargeable sealed lead acid battery. Power on-off switch</td>
<td></td>
</tr>
</tbody>
</table>

**BT2300**

**EVER SMART.**

Fast Charger / Battery Tester with Printer

<table>
<thead>
<tr>
<th>Model Number</th>
<th>BT2300A</th>
<th>BT2300E</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Voltage</td>
<td>110V~ 120Vac 60Hz</td>
<td>220V ~ 240Vac 50Hz</td>
</tr>
<tr>
<td>Application</td>
<td>12V SLI/VRLA/GEL/AGM, CAL/CAL &amp; SPIRAL Batteries</td>
<td></td>
</tr>
<tr>
<td>Maximum Charge Current</td>
<td>0 ~ 50 Amp DC</td>
<td></td>
</tr>
<tr>
<td>Engine Start</td>
<td>150 Amp @ 72V (5 seconds)</td>
<td></td>
</tr>
<tr>
<td>Maximum Charge Voltage</td>
<td>150vac</td>
<td></td>
</tr>
<tr>
<td>Voltmeter &amp; Current Meter</td>
<td>1Vdc ~ 60Vdc &amp; 0A ~ 1000Amps</td>
<td></td>
</tr>
<tr>
<td>Tester</td>
<td>Easy-Link Communication to PC via USB</td>
<td></td>
</tr>
<tr>
<td>Languages</td>
<td>English, French, Spanish, German, Italian, Portuguese</td>
<td></td>
</tr>
<tr>
<td>Features</td>
<td>Amp Clamp measures amperage/charging current</td>
<td></td>
</tr>
<tr>
<td>Optional Accessories</td>
<td>1 roll of Printer Paper</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>Approx. L 330mm (13&quot;) x W 300mm (11.8&quot;) x H 200mm (7.8&quot;)</td>
<td></td>
</tr>
</tbody>
</table>

**MS-7 7AH**

Professional Auto Computer Memory Saver

Saves the vehicles on board diagnostic memory and other on-board memory components such as digital clocks, anti-theft radios, seats, radio presets, mirrors, comfort settings, etc. when the vehicle’s battery is removed or disconnected.

**Model Number**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>MS-7A</th>
<th>MS-7E</th>
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</thead>
<tbody>
<tr>
<td>AC charger</td>
<td>110 ~ 120Vac</td>
<td>220 ~ 240Vac</td>
</tr>
<tr>
<td>Included Accessories</td>
<td>1 AC charger &amp; 1 Accessory Outlet Adapter</td>
<td></td>
</tr>
<tr>
<td>Features</td>
<td>OBDII connector plugs directly into vehicles OBDII Port. Easy to read battery status LEDs- indicate the internal battery power &amp; charging status. Accessory outlet supplies power for 12V DC accessories outfitted with an accessory plug. 7Ah High capacity, rechargeable sealed lead acid battery. Power on-off switch</td>
<td></td>
</tr>
</tbody>
</table>

**MS-1 4.5AH**

Professional Auto Computer Memory Saver

Saves the vehicles on board diagnostic memory and other on-board memory components such as digital clocks, anti-theft radios, seats, radio presets, mirrors, comfort settings, etc. when the vehicle’s battery is removed or disconnected.

**Model Number**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>MS-1A</th>
<th>MS-1E</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC charger</td>
<td>110 ~ 120Vac</td>
<td>220 ~ 240Vac</td>
</tr>
<tr>
<td>Included Accessories</td>
<td>1 OBDII cable</td>
<td></td>
</tr>
<tr>
<td>Features</td>
<td>Fast connection to the vehicle by OBDII cable &amp; accessory outlet adapter. LED lights indicate the circuit with the ignition on or off. State of charge indicator. Resettable fuse. 4.5Ah High capacity, rechargeable sealed lead acid battery. Power on-off switch</td>
<td></td>
</tr>
</tbody>
</table>

**BT2300**

**EVER SMART.**

Fast Charger / Battery Tester with Printer

<table>
<thead>
<tr>
<th>Model Number</th>
<th>BT2300A</th>
<th>BT2300E</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Voltage</td>
<td>110V~ 120Vac 60Hz</td>
<td>220V ~ 240Vac 50Hz</td>
</tr>
<tr>
<td>Application</td>
<td>12V SLI/VRLA/GEL/AGM, CAL/CAL &amp; SPIRAL Batteries</td>
<td></td>
</tr>
<tr>
<td>Maximum Charge Current</td>
<td>0 ~ 50 Amp DC</td>
<td></td>
</tr>
<tr>
<td>Engine Start</td>
<td>150 Amp @ 72V (5 seconds)</td>
<td></td>
</tr>
<tr>
<td>Maximum Charge Voltage</td>
<td>150vac</td>
<td></td>
</tr>
<tr>
<td>Voltmeter &amp; Current Meter</td>
<td>1Vdc ~ 60Vdc &amp; 0A ~ 1000Amps</td>
<td></td>
</tr>
<tr>
<td>Tester</td>
<td>Easy-Link Communication to PC via USB</td>
<td></td>
</tr>
<tr>
<td>Languages</td>
<td>English, French, Spanish, German, Italian, Portuguese</td>
<td></td>
</tr>
<tr>
<td>Features</td>
<td>Amp Clamp measures amperage/charging current</td>
<td></td>
</tr>
<tr>
<td>Optional Accessories</td>
<td>1 roll of Printer Paper</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>Approx. L 330mm (13&quot;) x W 300mm (11.8&quot;) x H 200mm (7.8&quot;)</td>
<td></td>
</tr>
</tbody>
</table>

**MS-7 7AH**

Professional Auto Computer Memory Saver

Saves the vehicles on board diagnostic memory and other on-board memory components such as digital clocks, anti-theft radios, seats, radio presets, mirrors, comfort settings, etc. when the vehicle’s battery is removed or disconnected.

**Model Number**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>MS-7A</th>
<th>MS-7E</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC charger</td>
<td>110 ~ 120Vac</td>
<td>220 ~ 240Vac</td>
</tr>
<tr>
<td>Included Accessories</td>
<td>1 AC charger &amp; 1 Accessory Outlet Adapter</td>
<td></td>
</tr>
<tr>
<td>Features</td>
<td>OBDII connector plugs directly into vehicles OBDII Port. Easy to read battery status LEDs- indicate the internal battery power &amp; charging status. Accessory outlet supplies power for 12V DC accessories outfitted with an accessory plug. 7Ah High capacity, rechargeable sealed lead acid battery. Power on-off switch</td>
<td></td>
</tr>
</tbody>
</table>

**MS-1 4.5AH**

Professional Auto Computer Memory Saver

Saves the vehicles on board diagnostic memory and other on-board memory components such as digital clocks, anti-theft radios, seats, radio presets, mirrors, comfort settings, etc. when the vehicle’s battery is removed or disconnected.

**Model Number**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>MS-1A</th>
<th>MS-1E</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC charger</td>
<td>110 ~ 120Vac</td>
<td>220 ~ 240Vac</td>
</tr>
<tr>
<td>Included Accessories</td>
<td>1 OBDII cable</td>
<td></td>
</tr>
<tr>
<td>Features</td>
<td>Fast connection to the vehicle by OBDII cable &amp; accessory outlet adapter. LED lights indicate the circuit with the ignition on or off. State of charge indicator. Resettable fuse. 4.5Ah High capacity, rechargeable sealed lead acid battery. Power on-off switch</td>
<td></td>
</tr>
</tbody>
</table>
Microprocessor Controlled Smart Battery Charger/Maintainer
5 Stage Intelligent Switching Power

Automatic design not only charges a battery efficiently, but also prolongs the lifetime of the requisite battery.
- **Desulphation:** Saves a deeply discharged or a lightly sulfated battery for recovery.
- **Fast Charge:** Charges battery to 75% in the fastest and most efficient manner.
- **Equalization:** When the battery reaches 75% charge, the charger starts a charge pulse with a smaller current to fully charge in safe manner.
- **Top-Off:** Fully charge the battery without overcharging the battery.
- **Maintenance:** Maintains the battery in a full state of charge.

**Taiwan Patent: 094115371**

### Battery Charger Selection Guide

#### Battery Charger

<table>
<thead>
<tr>
<th>Battery Charger</th>
<th>AE150</th>
<th>AE300</th>
<th>AE500</th>
<th>AE1000</th>
<th>BT1200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Size</td>
<td>11Amp</td>
<td>2/5Amp</td>
<td>4Amp</td>
<td>10/20Amp</td>
<td>50Amp</td>
</tr>
<tr>
<td>CCA</td>
<td>100</td>
<td>120</td>
<td>300</td>
<td>500</td>
<td>750</td>
</tr>
<tr>
<td>Charge Time</td>
<td>3 hrs</td>
<td>3.5 hrs</td>
<td>6 hrs</td>
<td>10 hrs</td>
<td>12 hrs</td>
</tr>
<tr>
<td>Voltage (V)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current (A)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Deep Cycle

<table>
<thead>
<tr>
<th>Battery Charger</th>
<th>BL250</th>
<th>SCM4</th>
<th>SC212P</th>
<th>SCM153</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Size</td>
<td>1.5Amp</td>
<td>3Amp</td>
<td>5Amp</td>
<td>15Amp</td>
</tr>
<tr>
<td>CCA</td>
<td>100</td>
<td>M</td>
<td>M</td>
<td>M</td>
</tr>
<tr>
<td>Charge Time</td>
<td>4 hrs</td>
<td>4 hrs</td>
<td>5 hrs</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Voltage (V)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current (A)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Model Number

<table>
<thead>
<tr>
<th>SCM153</th>
<th>SCM54A</th>
<th>SCM54E</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Voltage</td>
<td>100 - 240Vac</td>
<td>110 - 120Vac</td>
</tr>
<tr>
<td>Charge Current</td>
<td>2 / 7 / 15 Amp (Each Station)</td>
<td>5 Amp (Each Station)</td>
</tr>
<tr>
<td>Application</td>
<td>12V SLI/VRLA/GEL/AGM, CAL/CAL &amp; SPIRAL Batteries</td>
<td></td>
</tr>
<tr>
<td>Indicators</td>
<td>6 LEDs</td>
<td>2 LEDs: Green &amp; Red</td>
</tr>
<tr>
<td>Features</td>
<td>Switches to float mode automatically (speed charge)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Microprocessor controlled 5-Stage charging</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 Individual indications to identify battery status</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4 Individual indications to identify battery status</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 Individual removable output leads</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4 Individual removable output leads</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Charging &amp; maintain batteries simultaneously</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Auto-polarity, spark free &amp; Over-charging protection</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Optimizes battery performance &amp; longevity</td>
<td></td>
</tr>
<tr>
<td>Dimension</td>
<td>Approx. L325 x W201 x H110(mm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Approx. L550 x W190 x H75(mm)</td>
<td></td>
</tr>
</tbody>
</table>
### AE5000
**autoEXACT®**

**12V Switching Power**

**50 Amp Power Supply & Battery Charger**

- **Model Number:** AE5000
- **Input AC Voltage:** 120 - 240Vac
- **Charger Technology:** Intelligent Switching Power Battery Charger
- **Power Supply:**
  - **Voltage Regulation:** 13V - 14V (Adjustable DC output)
  - **Output Voltage Tolerance:** ± 2%
- **Indicators:** 2 Lines LCM & 4 Digital LEDs
- **Safety & Protection Design:** Over-current, Over-temperature, Over-voltage
- **Features:**
  - Microprocessor controlled
  - Maximum ampere output at regulated voltage: 50 Amp
  - On/Off switch
- **Dimension:** Approx. L370 x W 230 x H95 (mm)

### SL250

**12V 250 mA**

**10 Station AC & Solar Dual Power Battery Maintainer**

- **Model Number:** SL250
- **Power Supply:**
  - **Voltage Regulation:** 13.5V - 250mA (Each Station)
- **Indicators:** 4 LEDs: Green, Red, Yellow & Blue
- **Case:** ABS + PC Plastic case
- **Features:**
  - Dual Power Input (AC & Solar Power)
  - Automatic AC & Solar Power switch
  - 10 LED sets to monitor individual battery status
  - 10 Individual removable output leads
  - Spark free, Reverse Polarity & Over-charging protection
- **Dimension:**
  - L235 mm (L) x W 100 mm (W) x H 45 mm (H)

### AE150A

**autoEXACT®**

**12V Switching Power Digital Battery Charger/Maintainer**

- **Model Number:** AE150A<br>AE150E<br>AE300A<br>AE300E<br>AE500A<br>AE500E
- **AC Voltage:**
  - AE150A: 110 - 120Vac, 220 - 240Vac
  - AE150E: 110 - 120Vac, 220 - 240Vac
  - AE300A: 110 - 120Vac, 220 - 240Vac
  - AE300E: 110 - 120Vac, 220 - 240Vac
  - AE500A: 110 - 120Vac, 220 - 240Vac
  - AE500E: 110 - 120Vac, 220 - 240Vac
- **Charge Current (Max.):**
  - AE150A: 1.5 Amp<br>AE150E: 3 Amp<br>AE300A: 5 Amp<br>AE300E: 5 Amp<br>AE500A: 5 Amp<br>AE500E: 5 Amp
- **Application:**
  - 12V SLI/VRLA/GEL/AGM, CAL/CAL & SPIRAL Batteries
- **Indicators:**
  - 3 LEDs: Red, Yellow & Green
- **Features:**
  - IP55 Water Resistant: Dust/Splash/Rain protection
  - Microprocessor controlled 5-Stage charging
  - Switches to float mode automatically (Speed charge)
  - Charging & maintain batteries simultaneously
  - Auto-polarity, spark free & Over-charging protection
  - Optimizes battery performance & longevity
- **Dimension:** L170 x W73 x H48 (mm)