SOHO INVERTER Series

600VA～10kVA

Features:

• Wide input voltage range
• Fully digitized microprocessor control
• UPS mode and inverter mode suit for different application
• LED indicates the status
• LCD displays comprehensive parameters(Optional)

• Cold start
• Short circuit and overload protection
• Intelligent battery management
• Charging current is optional
• Compatible with generator

Rear Panel:
## Technical Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SH-600</th>
<th>SH-800</th>
<th>SH-1000</th>
<th>SH-1500</th>
<th>SH-2000</th>
<th>SH-3000</th>
<th>SH-4000</th>
<th>SH-5000</th>
<th>SH-7500</th>
<th>SH-10000</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPACITY (kVA / kW)</td>
<td>0.6 / 0.48</td>
<td>0.8 / 0.64</td>
<td>1 / 0.8</td>
<td>1.5 / 1.2</td>
<td>2 / 1.6</td>
<td>3 / 2.4</td>
<td>4 / 3.2</td>
<td>5 / 4</td>
<td>7.5 / 6</td>
<td>10 / 8</td>
</tr>
</tbody>
</table>

### LINE MODE

**Input**
- Nominal input Voltage: 220Vac

**Operating Voltage Range**
- 145~285Vac (UPS mode)
- 120~300Vac (Inverter mode)
- 190~260Vac (UPS mode)
- 160~265Vac (Inverter mode)

**Operating Frequency Range**
- 38~70Hz

**Output**
- Voltage: 200~240Vac (UPS mode)
- 180~255Vac (Inverter mode)
- 190~260Vac (UPS mode)
- 160~265Vac (Inverter mode)

**Frequency Range**
- Same as Mains

**Waveform (Mains. Mode)**
- Tracking Mains

**Efficiency**
- >95% (Full R load, battery full charged)

**Transfer Time**
- UPS mode (High sensitivity): 8ms typical, 15ms Max.
- Inverter mode (Low sensitivity): 140ms Max. (Slow start)

### BACKUP MODE

**Output**
- Voltage: 220Vac (±5%)

**Frequency Range**
- 50±1Hz

**Waveform (Batt. Mode)**
- Pure Sine Wave

**Efficiency**
- > 80%  > 80%  > 82%  > 83%  > 85%  > 85%  > 86%  > 86%  > 89%  > 89%

### AC CHARGER

**Charging Algorithm**
- 3-Step Charging

**Maximum Charging Current**
- 10A / 20A Selectable
- 20A / 40A Selectable

**Battery Voltage**
- 12Vdc  24Vdc  48Vdc  120Vdc  180Vdc

**Floating Charging Voltage**
- 13.8Vdc  13.8Vdc  27.6Vdc  27.6Vdc  27.6Vdc  27.6Vdc  55.2Vdc  55.2Vdc  138Vdc  207Vdc

**Over Charging Voltage**
- 15.0Vdc  15.0Vdc  30Vdc  30Vdc  30Vdc  30Vdc  60Vdc  60Vdc  150Vdc  225Vdc

### PROTECTION

**Full Protection**
- Overload, over-charged, over-discharged, over-temperature, short-circuit protection

### ALARM

**Battery Mode**
- Beep 1 time/10s, mute after 3min

**Battery Low**
- Beep 2 times/s

**Overload**
- Beep 4 times in 2s

**UPS startup**
- Beep for 2s

**Fault**
- Continuously sounding

### PHYSICAL

**Dimension (DxWxH) mm**
- 272×285×165
- 313×295×189
- 352×220×358
- 452×260×418
- 540×260×485

**Packing (DxWxH) mm**
- 380×375×255
- 420×384×275
- 435×306×448
- 535×346×510
- 619×369×665

**Net weight (kg)**
- 11.4
- 13.4
- 15
- 18.5
- 26
- 28
- 38.5
- 44.5
- 56.5
- 59

**Shipping weight (kg)**
- 12.7
- 14.7
- 16.5
- 20
- 27
- 29
- 40
- 46
- 59.5
- 62

### OPERATING ENVIRONMENT

**Humidity**
- 0~90% RH @ 0~40°C (Non-condensing)

**Noise Level**
- Less than 50dB

Specifications subject to change without prior notice.