PRODUCT SPECIFICATION

GP PowerBank M520
Model: GPPB520

Revision History

<table>
<thead>
<tr>
<th>Revision</th>
<th>Date</th>
<th>Initiator</th>
<th>Reason for Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>13 August 2007</td>
<td>Con Chan</td>
<td>New release</td>
</tr>
<tr>
<td>01</td>
<td>20 May 2009</td>
<td>Con Chan</td>
<td>Rev. on Charging time table &amp; Approval</td>
</tr>
</tbody>
</table>

Prepared By
Con Chan
Date: 20 May 09

Approved By
Emily Ho
Date: 20 May 09

GPI International Limited
Gold Peak Building, 8/F, 30 Kwai Wing Road, Kwai Chung, New Territories, Hong Kong.
Tel: (852) 2484 3333  Fax: (852) 24805912
Email: gpii@goldpeak.com
Website: http://www.gpbatteries.com

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.
**Product Specification**

**Model No.: GPPB520**

---

**Product Name**: GP PowerBank M520

**Description**: 2-5 Hrs Battery Charger with Car Charging Function (Corded Type)

**Input Voltage**: AC100-240V 50/60Hz

**Output Voltage**: DC 3.2V

**Application**: For charging 2 or 4 pcs of NiMH AA batteries; 2 pcs NiMH AAA batteries

**Charging Current**:

<table>
<thead>
<tr>
<th>Capacity (mAh / series)</th>
<th>AA</th>
<th>AAA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 pcs</td>
<td>105±10%</td>
<td>525±10%</td>
</tr>
<tr>
<td>4 pcs</td>
<td>525±10%</td>
<td>105±10%</td>
</tr>
</tbody>
</table>

**Charging Time**

<table>
<thead>
<tr>
<th>Size</th>
<th>Capacity (mAh / series)</th>
<th>2 pcs</th>
<th>4 pcs</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>2100 ~ 2700</td>
<td>141 ~ 178</td>
<td>281 ~ 357</td>
</tr>
<tr>
<td>AAA</td>
<td>1300 ~ 1800</td>
<td>89 ~ 123</td>
<td>178 ~ 247</td>
</tr>
<tr>
<td>AAA</td>
<td>600 ~ 1000</td>
<td>82 ~ 133</td>
<td>-</td>
</tr>
</tbody>
</table>

**Termination Methods**: -dV, temperature cut off and safety timer

**MTBF**: 30000 hours (at Ambient Temperature 25°C)

**Operating Temperature**: 5°C to 45°C

**Storage Temperature**: -20°C to 65°C

**Charge Indicator**: Red LED ON - charging AA/AAA in process
Green LED ON - fully charged & trickle charge
FLASH - wrong / damage / short circuit / primary battery detected

**Dimensions**: 108 (L) X 66 (W) X 29 (H)mm

**Approval**: PB520GS - GS, CE, e-mark
PB520BS - CE, e-mark
PB520US - FCC, C-UL

**Warranty Period**: 12 months from ex-factory date.

---

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.