Model Class

**Battery LFP** 24V20AH

**ARTICLE NUMBER:** 030100049

**HIGH-PERFORMANCE BATTERY 24 VOLTS 20 AMPERE HOURS**

---

**480 watt-hours of energy**

The ARVEY LFP20 accumulator provides you with a nominal capacity of 20 ampere hours at 24 volts nominal voltage. This means you have 480 Wh of energy at your disposal on a full battery. The average life cycle of the LFP20 is 1000 cycles (about 3 years of regular use) and within normal terms of use.

---

**TECHNICAL DATA:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEIGHT INCL. CASING</td>
<td>6,9kg</td>
</tr>
<tr>
<td>BATTERY MASS</td>
<td>4,2kg</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>365mm * 192mm * 90mm</td>
</tr>
<tr>
<td>CASING</td>
<td>Aluminum, brushed</td>
</tr>
<tr>
<td>OPERATING TEMPERATURE</td>
<td>-20°C to +60°C</td>
</tr>
<tr>
<td>IP CLASS</td>
<td>IP54</td>
</tr>
<tr>
<td>BATTERY TYPE</td>
<td>Lithium-Iron-Phosphate Polymer</td>
</tr>
</tbody>
</table>

**PERFORMANCE DATA:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARGE VOLTAGE</td>
<td>29,2 Volt</td>
</tr>
<tr>
<td>NOMINAL VOLTAGE</td>
<td>24 Volt</td>
</tr>
<tr>
<td>NOMINAL CAPACITY</td>
<td>20 AH at 0,5C discharge</td>
</tr>
</tbody>
</table>

---

**SCENARIOS**

- Duty vehicles
- Trailers
- Camping
- (Sail)boats
- Logistics
- Humanitary Aid
- Military
- Service-Vehicles
- Outdoor
- Photography
- Model building
- Car-Hi-Fi
### Battery LFP 24V20AH

**ARTICLE NUMBER**: 030100049

**HIGH-PERFORMANCE BATTERY 24 VOLTS 20 AMPERE HOURS**

### PERFORMANCE DATA:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CHARGE CURRENT</strong></td>
<td>standard charging: 0.25C, Rapid charging: 0.5C</td>
</tr>
<tr>
<td><strong>STANDARD CHARGING METHOD</strong></td>
<td>ARVEY ac charger</td>
</tr>
<tr>
<td><strong>CHARGING TIME</strong></td>
<td>standard charging: 5.0 hours, rapid charging: 3.0 hours</td>
</tr>
<tr>
<td><strong>CHARGE CURRENT</strong></td>
<td>50 Ampere</td>
</tr>
<tr>
<td><strong>DISCHARGE CURRENT</strong></td>
<td>50 Ampere cont.</td>
</tr>
<tr>
<td><strong>DISCHARGE CUT-OFF VOLTAGE</strong></td>
<td>22.4 Volt</td>
</tr>
<tr>
<td><strong>STORAGE TEMPERATURE</strong></td>
<td>-10 °C to +45 °C</td>
</tr>
<tr>
<td><strong>LIFE CYCLE</strong></td>
<td>&gt;=1000</td>
</tr>
<tr>
<td><strong>CAPACITY-RETENTION RATIO</strong></td>
<td>5%</td>
</tr>
</tbody>
</table>

### ELEMENTS REAR:

- Connector AC charger
- Battery cable connector fully covered + (plus)
- Battery cable connector fully covered - (minus)

### SAFETY PERFORMANCE:

- **SHORT CIRCUIT**: No explosion, no fire
- **OVERCHARGE**: No explosion, no fire
- **NAIL TEST (PIERCING)**: No explosion, no fire
- **OVEN TEST (OVERHEATING 130°C)**: No explosion, no fire
- **VIBRATION TEST**: No explosion, no leakage
- **DROP TEST (2*1.0 METRE WITH TURN)**: No explosion, no leakage

### CERTIFICATIONS

- CE, RoHs, UN38.3
- UN3481, DG Class 9

### OPT. ACCESSORIES

- Solar panels
- Solar cable
- Grounding cable
- Battery
- Battery cable
- AC-Charger
- Fuses 20A
- Lamp 2W, 12V

Specifications and Design can be changed at any time and without further notice.

**State**: AUG 2019

AXSOL GmbH
Albert-Hoffa-Str. 18a
97074 Würzburg
Tel.: +49 (0) 931 45 46 24 84
info@axsol.eu
www.axsol.eu