MyReserve Pack 24.3

Store energy.
Safe, powerful, compact

MyReserve Pack is a powerful lithium-ion battery module for integration in MyReserve battery systems.
- Depth of Discharge is 100 %
- Unique battery efficiency of 99.2 %
- Long service life > 15 years
- Plug & play installation with contact-protected and polarity-reversal-protected connecting plugs
- One-person installation possible (only 25 kg)
- Certified safety with multi-stage safety controls
- Integrated battery management system with VTC supervisor
- Individual cell monitoring
- Dynamic adjustment of the charge current based on the current PV output and the household’s internal consumption
- Maintenance-free
- No memory effect

Benefits
- Best price
- Certified safety
- Easy installation
- Retrofit ready

SMART PERFORMANCE CALCULATION:
- Calculation of the internal resistance per cell
- Determination of charging and discharging parameters in consideration of the internal resistance
- Calculation of SoC and SoH

SOLARWATT Service

FullCoverage Insurance included*
Performance warranty
10 years performance warranty for min. 80 % of the usable energy of MyReserve Pack
Simple return policy
as per electrical and electronic equipment legislation

Professional consultation
Experts via hotline or on site

Guarantee of origin
Quality from Germany

* soweit ein Wechselrichter gemäß „Freigegebene Wechselrichter für MyReserve“ eingesetzt wird
### General data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usable energy</td>
<td>2,4 kWh</td>
</tr>
<tr>
<td>Depth of Discharge (DoD)</td>
<td>100 %</td>
</tr>
<tr>
<td>Cell technology</td>
<td>Li-ion</td>
</tr>
<tr>
<td>Cell separator</td>
<td>Ceramic coating</td>
</tr>
<tr>
<td>BMS</td>
<td>VTC Supervisor&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>Maximum efficiency</td>
<td>99.2%</td>
</tr>
<tr>
<td>Weight</td>
<td>25 Kg</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>384 mm x 200.5 mm x 277 mm (Depth: 260mm without fastening points)</td>
</tr>
<tr>
<td>Housing</td>
<td>Aluminum</td>
</tr>
<tr>
<td>Communication</td>
<td>ISO SPI</td>
</tr>
<tr>
<td>Power connections</td>
<td>Power plug with integrated communication</td>
</tr>
<tr>
<td>Battery fuse</td>
<td>Integrated</td>
</tr>
<tr>
<td>Warranty&lt;sup&gt;3&lt;/sup&gt;</td>
<td>10 years (min. 80 % of the usable energy)</td>
</tr>
<tr>
<td>Cycle service life</td>
<td>Unlimited number of full cycles during the warranty period</td>
</tr>
</tbody>
</table>

### Supported devices

- **Battery system**: MyReserve 500, MyReserve 800, MyReserve Command (20.2, 20.3, 20.4)

### Environmental and ambient conditions

<table>
<thead>
<tr>
<th>Condition</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permissible environmental operating temp.</td>
<td>0°C to 30°C (max. 45°C)&lt;sup&gt;4&lt;/sup&gt;</td>
</tr>
<tr>
<td>Permissible storage temperature</td>
<td>-20°C to 30°C</td>
</tr>
<tr>
<td>Permissible transport temperature</td>
<td>-20°C to 55°C</td>
</tr>
<tr>
<td>Relative air humidity</td>
<td>≤ 85% non-condensing</td>
</tr>
<tr>
<td>Protection rating</td>
<td>IP54 (with protective cover on the power plug outlet, otherwise IP20)</td>
</tr>
<tr>
<td>Installation location</td>
<td>Up to 2000m above sea level</td>
</tr>
</tbody>
</table>

1) Continuous monitoring of all cell voltages, cell temperatures, and current. Shut-off of the system when parameter limits are exceeded.  
2) The battery poles are voltage-free when the battery is removed.  
3) The corresponding warranty conditions apply.  
4) There are no limitations on performance for the household in the range from appr. 0°C to appr. 30°C. While charging there is a power throttling on appr. +10°C and colder to zero at appr.-2°C. Operation does not take place below appr. -15°C or above appr. +44°C. Accelerated aging of the cells should be expected at temperatures above appr. +44°C.

### Certifications and standards

- Test by accredited testing laboratories acc. to UN38.3
- As a part of MyReserve: Safety Guidelines for Li-ion household battery system Version 1.0
  - DIN EN 62619:2014 (VDE 0510-39)  
  - DIN EN 50272-1:2011 (VDE 0510-1)  
  - DIN EN 61010-1:2011 (VDE 0411-1)  
  - DIN EN 61000-2-1:2007 (VDE 0839-6-1)  
  - DIN EN 61000-2-3:2011 (VDE 0839-6-3)

Conformity to:  
- EU-Directives (CE):  
  - 2014/35/EU (LVD)  
  - 2014/30/EU (EMC)  
  - 2011/65/EU (RoHS)

- Cells (among others) tested acc. to: UN38.3  
- Automotive-Standards (EUCAR Abuse Level 3)

### Dimensions

- **1** Fastening holes for protective cover  
- **2** Fastening holes battery cable  
- **3** Ground connection  
- **4** Connection for battery cable  
- **5** Mounting bracket

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required accessory: Accessory Kit MyReserve Pack