

Pos.	Menge	Bezeichnung	Summe
		<p><b>SOLARWATT Battery flex AC-1 storage system modularly expandable Lithium-ion battery storage system</b></p> <p>Battery flex AC-1 is a modularly expandable Lithium-ion battery storage system for increasing energy self-sufficiency. It is suitable for existing and new installations and can be extended in 2,4 kWh-steps. 4.8 to 19.2 kWh usable energy. Plug-in connection of the battery modules without any cabling. Certified as per „Safety guidelines for Li-ion household battery systems“. 10 years product warranty.</p> <p><b>System components</b> (consist of):</p> <ul style="list-style-type: none"> <li>- Battery flex base AC-1 1.3 (6.0 kW) (Battery inverter for connecting 2 to 8 battery modules)</li> <li>- Battery flex middle pack 1.3 (2.4 kWh, 30 A) (Battery module with 2.4 kWh usable energy content)</li> <li>- Battery flex top pack 1.3 (2.4 kWh, 30 A) (Battery module with 2.4 kWh usable energy content)</li> <li>- AC-Sensor Flex (Bidirectional current sensor for measuring energy import / export)</li> <li>- SOLARWATT Manager flex (optimises the utilisation of PV solar generator and storage units), Optional: SOLARWATT Manager pro with further functions and applications</li> <li>- Manager Portal, Home app, Pro app (allow commissioning of the system and viewing the energy data via internet - on a computer, tablet or smartphone)</li> </ul> <p><b>Layout and technical data</b></p> <p><b>SOLARWATT Battery flex base AC-1 1.3 (6.0 kW):</b></p> <ul style="list-style-type: none"> <li>- Grid connection: AC (1-phase), 230 V, 50 Hz</li> <li>- Battery modularity: 2 bis 8 (in series)</li> <li>- Max. charge efficiency (AC2BAT): 93.6 %</li> <li>- Max. discharge efficiency (BAT2AC): 94.9 %</li> <li>- Internal consumption in operating mode: 0 W</li> <li>- Internal consumption in Standby: 0.5 W</li> <li>- Step response (time to supply a load demand): &lt; 1 s</li> <li>- Dead time (time to stop discharging): 0.1 s</li> <li>- DC voltage: 25 bis 350 V</li> <li>- Max. rated real power <math>P_{max}</math>: 6.0 kW</li> <li>- Max. rated apparent power <math>S_{max}</math>: 6.0 kVA</li> <li>- Power factor <math>\cos \phi</math>: 0.8 overexcited bis 0.8 underexcited (can be smaller, depending on the gridcode)</li> <li>- AC rated current (AC): 30 A</li> <li>- AC voltage: 230 V</li> <li>- Initial symmetrical short-circuit current <math>I_k</math>: &gt; 1 A</li> <li>- Data communication connection technology: 2x RS485 (RJ11), 1x CAN (RJ45), 2x Ethernet (RJ45), Bluetooth (BTLE), LED Status display</li> <li>- (Online) monitoring platforms: SOLARWATT Pro app, SOLARWATT Home app; SOLARWATT Manager portal</li> <li>- Screw-type-terminal (L/N/PE) up to 6 mm<sup>2</sup></li> <li>- Grid and plant protection: integrated</li> <li>- All-pole disconnection from the grid for backup power mode: yes</li> <li>- Dimensions: (W x H x D) 540 x 248 x 303 mm</li> <li>- Weight: 23 kg</li> <li>- Housing: Aluminum</li> <li>- FullCoverage insurance: 5 years included (optional 10 years)</li> <li>- Warranty: 10 years</li> <li>- Ambient temperature range: -20 °C to 50 °C</li> <li>- Relative humidity: ≤ 100 %</li> <li>- IP rating: IP54</li> <li>- Protection class: I</li> <li>- Overvoltage category: III</li> <li>- Installation location: up to 2,000 m above sea level</li> <li>- Installation: Wall installation (optional floor installation)</li> </ul>	

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