

Solid-State Storage Series

5.12 kWh

**Integrated hybrid inverter | 2.4 kW
backup**

**Solar Energy.
Stored for Your
Home.**

Solar generation, battery storage and
backup power in a compact, expandable
platform.

SPS-2.4KW/5.12KWh-PP



Solarunis home energy storage - illustrative residential installation concept.

MODEL		SPS-2.4KW/5.12KWh-PP
DC / PV INPUT		
MPPT count / maximum PV input		2 / 2 x 1,000 W
Operating voltage / rated input current		10-100 V DC / 20 A per channel
MPPT efficiency		99.8%
ON-GRID AC INPUT / OUTPUT		
Rated input / output power (default)		2.4 kW / 0.8 kW
Phase / grid voltage / frequency		L / N / PE; 230 V; 50 Hz
Rated grid input / output current		10.5 A / 3.48 A
Power factor / THD		>0.99 / <2%
BACKUP / OFF-GRID		
Rated output / peak output		2.4 kW / 4.8 kVA for 10 seconds
Rated output voltage		230 V AC
HYBRID MODULE		
PV connector / off-grid port / display		MC4 / European socket / LED
Communication / protection		Bluetooth, Wi-Fi / IP65
Dimensions (W x H x D) / net weight		480 x 298 x 130 mm / 11.2 kg
Hybrid module warranty		5 years
BATTERY & OPERATING CONDITIONS		
Rated voltage / energy capacity / type		51.2 V / 5.12 kWh / solid-state (datasheet description)
Maximum expansion capacity		15.6 kWh (manufacturer-stated)
Battery weight (two modules)		26.5 kg x 2
Battery dimensions (two modules, W x H x D)		480 x (298 x 2) x 130 mm
Battery warranty		10 years
Charge / discharge temperature		-10 to 55 C / -20 to 55 C
Humidity / cooling / maximum altitude		0-100% RH / natural cooling / 2,000 m

Figures reproduced from the supplied datasheet. Expansion capacity is retained as stated; confirm the capacity of the selected pack configuration. Cycle-life test conditions and detailed chemistry are not provided in the datasheet.