PRODUCT



SOLARWATT Battery vision

Battery vision 2.1

The SOLARWATT Battery vision series is a high-performance, scalable battery storage system

- 9.22 to 27.65 kWh usable energy
- Quick and easy installation via plug connections
- Meets all requirements of the Li-Ion Household Battery Safety Guidelines, with verified non-propagation performance (no venting, no fire, no flame, no rupture).
- Complies with the Australian "Best Practice Guide for Battery Storage Equipment".

in cooperation with BMW

Please note: this datasheet only applies to AUS.

BENEFITS

- Depth Of Discharge 100 %
- High level Solarwatt safety
- Exclusive BMW design

SERVICE

Warranty[1)]
12 years performance warranty on Battery vision packs
12 years product warranty on Battery packs

PV HUB 2.0
smart monitoring & fast fault diagnosis

Sales & Service
support available from the local team

1) The warranty conditions for SOLARWATT Battery vision (en-AUS) apply.

Subject to change. Errors excepted.

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MODEL	Battery vision two 2.1	Battery vision three 2.1	Battery vision four 2.1	Battery vision five 2.1	Battery vision six 2.1
Battery Type			$LiFePO_4$		
Battery Module					
Battery vision top pack 2.1 (4.6 kWh)*	1	1	1	1	1
Battery vision pack 2.1 (4.6 kWh)*	1	2	3	4	5

*Battery vision pack 2.1 (4.6 kWh) is the battery module, and Battery vision top pack 2.1 (4.6 kWh) includes system controller and battery module.
*Battery vision top pack 2.1 (4.6 kWh) contains the controller of the entire system, so each system must have 1 Battery vision top pack 2.1 (4.6 kWh).

TECHNICAL SPECIFICATIONS	Battery vision two 2.1	Battery vision three 2.1	Battery vision four 2.1	Battery vision five 2.1	Battery vision six 2.1
Nominal Energy [kWh]	9.22	13.82	18.43	23.04	27.65
Usable Energy [kWh]	9.22	13.82	18.43	23.04	27.65
Nominal Voltage [V]	128.0	192.0	256.0	320.0	384.0
Rated Capacity [Ah]			72		
Operating Voltage [V]	116.0 - 144.0	174.0 - 216.0	232.0 - 288.0	290.0 - 360.0	348.0 - 432.0
Max. Charge/Discharge Current [A]*1			50 A / 50 A		
Rated DC Power [kW]	6.4	9.6	12.8	16.0	19.2
Battery Pack Round-Trip Efficiency [%]*2			> 95 % (round trip efficiency)		
Depth of Discharge [%]			100%		
Communication			CAN		
Display			Battery vision pack 2.1 (4.6 kWh): LED*1, Battery vision top pack 2.1 (4.6 kWh): LED*6		
Scalability			2 to 6 in series		
Installation Location			IP65 (indoor/outdoor)		
(Optimum) Operating temperature charge			(+20 °C to +45 °C) 0 °C to +55 °C		
(Optimum) Operating temperature discharge			(+20 °C to +45 °C) -10 °C to +55 °C		
Storage Temperature			-10 °C to +50 °C		
Cooling Method			passive cooling system for silent operation		
Humidity [%]			0-100 % (outdoor)		
Altitude [m]			max. 2,000 m AMSL, indoor and outdoor		
Fire Protection Function			Yes		
Dimensions (W*D*H) [mm]			635 mm x 436 mm		
	x345.5mm	x487.5mm	x629.5mm	x771.5mm	x913.5mm
Weight [kg] (±5%)	92.0 kg	136.0 kg	180.0 kg	224.0 kg	268.0 kg
Country of Manufacture			China		

*1, The current is affected by temperature, cell voltage and SOC.
*2, @25°C, 0.3C charging/discharging.

CERTIFICATIONS AND STANDARDS

Tested in accredited labs:
IEC 62619:2022
EN 62477-1:2012
UN 38.3
IEC/EN 61000-6-1/2/3/4

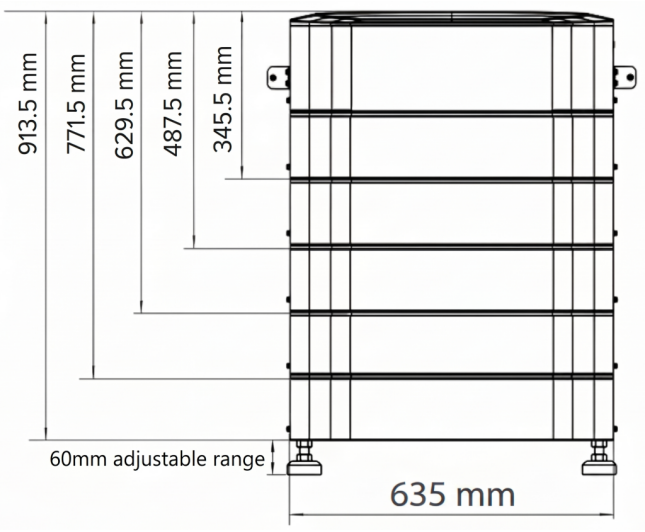
For RCM marking:
AS/NZS 4417.1 and AS/NZS 4417.2

Compliant with the Best Practice Guide for Battery Storage Equipment:
Electrical Safety Requirements (Pre-assembled battery system equipment – Method 3 mandatory requirements).

In general for all fire safety standards:
The system has passed the propagation test according to EN IEC 62619 cl. 7.3.3 (no fire outside the system, no enclosure rupture)

Cells also separately tested to following standards:
UN38.3 (Rev. 7)
EN IEC 62619:2022
EUCAR hazard level 3 (no venting, no fire, or flame; no rupture; no explosion. Weight loss <50% of electrolyte weight)

DIMENSIONS



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Extended datasheet Battery vision | EN-AUS

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