PRODUCT



SOLARWATT Battery

vision top pack 2.1 (4.6 kWh)
vision pack 2.1 (4.6 kWh)

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

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 SOLARWATT Battery Warranty Policy – Australia and New Zealand apply.
Please note: this datasheet only applies to Australia and New Zealand.

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	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 MODULES					
Battery vision top pack 2.1 (4.6 kWh)[1]	1	1	1	1	1
Battery vision pack 2.1 (4.6 kWh)[2]	1	2	3	4	5
TECHNICAL SPECIFICATIONS					
Nominal energy	9.22 kWh	13.82 kWh	18.43 kWh	23.04 kWh	27.65 kWh
Usable energy	9.22 kWh	13.82 kWh	18.43 kWh	23.04 kWh	27.65 kWh
Nominal voltage	128 V	192 V	256 V	320 V	384 V
Rated capacity			72 Ah		
Operating voltage	116-144 V	174-216 V	232-288 V	290-360 V	348-432 V
Max. charge/discharge current[1]			50 A / 50 A		
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, Ba ttery vision top pack 2.1 (4.6 kW): LED*6		
Scalability			2-6 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) 0 °C to +55 °C		
Storage Temperature			- 10 °C to +50 °C		
Cooling Method			passive cooling system for silent operation		
Humidity			0-100% (outdoor)		
Altitude			max. 2,000 m AMSL, indoor and outdoor		
Fire Protection Function			Yes		
Dimensions (W*D*H) [mm]			635 mm x 436 mm		
	x 345.5 mm	x 487.5 mm	x 629.5 mm	x 771.5 mm	x 913.5 mm
Weight (±5%)	92 kg	136 kg	180 kg	224 kg	268 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:
EN 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

