Austa

Release the Potential of Your Solar Storage System

NEW

PackV : 53.25 V
Current : 0.00 A
SOC : 98.98 %
Warn : N

Smart Integration BESS

Low Voltage / AU51105-W

Austa

Unique Product Features

- Multi-protection from BMS
- Long cycle lifeSpan with lower costs
- Friendly size and weight
- 5.12kwh-LiFePO4 battery cells

IEC · **EMC** · **RoHS** · · ·

Model	AU51105-W
Battery Module	
Rated capacity	5.12kWh
Available capacity	4.60kWh
Battery module (single-pack)	51.2V-105Ah
Rated power	2.56kW(0.5P)
Rated Voltage (whole system)	51.2V
Rated Continuous current	50A （0.5C ）
Charging voltage	57.6V supports wide voltage operation
Charging current	≤50A（configurable ）
Continuous discharge current	≤100A （configurable）
Maximum discharge current	110A(0-10S)
Maximum discharge power	4.9kW
Life cycles	≥6000@0.2C
Number of modules (for the whole system)	1
Cell type	IF105 （3.2V-105Ah）
Cell configuration (whole system)	16S/1P
Rated capacity	Test conditions: cell voltage 2.5V-3.65V, 25 ± 3℃ temperature range, 0.5C charge and discharge
Active volume	Test conditions: 90% discharge depth, 25 ± 3℃ temperature range, 0.5C charge and discharge

BMU module parameters	
Typology	15-16 string charge and discharge the same port
Overcharge charging voltage	3.60±0.01V （configurable）
Overcharge release voltage	3.40±0.01V （configurable）
Balanced way	Charge equalisation
Equalizing current	≤100±10mA
Balanced start voltage	3400±10mV
Overdischarge protection voltage	2.7±0.05V
Short-circuit protection	Short circuit detection 500A delay 100us
Discharge protection and recovery mode	Recovery threshold auto-recovery (charging current detected by charging activation (> 1A))

Technical description	
Dimensions (w×h×d)	520.5*714*197.5mm (±5mm)
Weights	64±2KG
Operating temperature	Charge: 0℃ ~50℃ / discharge: -20℃ ~50℃
Storage temperature	-20-45℃ (one month) 0-35℃ (1 year) SOC: 50%
Operating voltage range	44.8-57.6V
Protection class	IP65
Cooling	Natural cooling
Communication method	485/CAN （customisable）
Fire Fighting methods	Aerosolsc
Fire-fighting mode and trigger time	Hot start aerosol with feedback BMS protection lead device; Protection space: 0.8m³, trigger time: 3S
Way to install	Wall mounting type