

Ultra Thin 90MM Slimline Powerwall Battery-PWG3

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Specifications

Features

- Scalable battery design for easy expansion, Max. 16pcs in parallel
- BYD blade lithium cell more safety, longer life cycle and more esable energy, upto to more than 10 years working life
- Stylish, ultra-thin Easy connection saving installation time and cost
- Compatible to residential 48V hybrid inverter, and off grid inverter compatible with CAN / RS485 communication interface matching with leading inverter brands
- Villa, Household, farm, base station, field power supply



Model	ZECO-15050BL - PWG3	ZECO-150100BL - PWG3	Remark
Nominal Energy	5120Wh	10240Wh	Standard charging and discharging mode test
Series parallel connection	16 groups in parallel	16 units in 2 parallel	16S1P
Nominal capacity	100Ah	200Ah	Standard charging and discharging mode test
Nominal voltage	51.2V	51.2V	/
Operating voltage range	40~58.4V	40~58.4V	Temperature range :-20~65 C
Operating temperature (charging)	0~65 C ≤90%ROH	0~55 C ≤90%ROH	
Operating temperature (Discharging)	-20~65 C ≤90%ROH	-20~60 C ≤90%ROH	
Standard charging	Constant current charging: 50A Charging voltage: 58.4A Cut off current: 5A	Constant current charging: 100A Charging voltage: 58.4A Cut off current: 10A	Maximum unit voltage 3.65V
Maximum continuous charging current	Constant current charging: 100A Charging voltage: 58.4A Cut off current: 5A	Constant current charging: 200A Charging voltage: 58.4A Cut off current: 10A	Maximum unit voltage 3.65V
Standard charging	Constant current charging: 50A Cut off voltage: 40V	Constant current charging: 100A Cut off voltage: 40V	T ≥0 C Minimum monomer voltage 2.5V
Maximum continuous discharge current	Constant current charging: 50A Cut off voltage: 40V	Constant current charging: 200A Cut off voltage: 40V	T ≥0 C Minimum monomer voltage 2.5V
Storage temperature	-20~65 C	-20~65 C	Storage environment humidity≤95%ROH, no condensation
Cycle life	The capacity attenuates to 80AH and the number of cycles ≥8000	The capacity attenuates to 160AH and the number of cycles ≥8000	90% DOD, @25±2 C , standard charging and discharging mode
Monthly self discharge	≥3.5% Per month	≥2% Per month	After three months shipment, the battery will be charged to 40% SOC and stored at @ 25.2 C
Monitoring communication	RS232 / RS485 / CAN	RS232 / RS485 / CAN	
Balanced approach	Passive equalization	Passive equalization	
Shipping capatity	SOC 30~70% (TBD)	SOC 30~70% (TBD)	SOC 30~70% (TBD)
Gross Weight	54Kg	105Kg	
Net Weight	48±2Kg	95±2Kg	
Product Size(LxWxH)	(670x540x90) ±1mm	(700x980x100) ±2mm	
Package Size(LxWxH)	829x649x174mm	1223x816x189mm	



High cycle life

>8000 cycles @80% DoD for effectively lower total of ownership cost



Quickly recharge

Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



Longer service life

Low maintenance batteries with stable chemistry.



Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +45°C.



Built in circuit protection

Battery Management System (BMS) is incorporated against abuse.



Lightweight

Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.



Better storage

Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



Function

Support parallel operation