



# SUN-BATT-5.12



## DATASHEET

### SUN-BATT-5.12/BYD 100Ah Wall Mounted

Global Tech China Ltd, 3 Floor, Wai Yip Industrial Building.  
171 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong.

Tel: +852 2884 4318 Fax: +8522884 4816

[www.sunsynk.com](http://www.sunsynk.com) / [sales@sunsynk.com](mailto:sales@sunsynk.com)

Performance	
Nominal Voltage	51.2 Vdc
Nominal Capacity	100Ah
Battery Energy <sup>1</sup>	5120 Wh
Charge Voltage	55.68~56.16Vdc
Discharge Voltage	45.6-56.16 Vdc
Nominal Charge/Discharge Current	50A
Nominal Charge/Discharge Power	2500W
Max Charge / Discharge Current	100A
Max Charge / Discharge Power	5000W
Short Circuit Current	350A
Communication	
Display	SOC status indicator, LED indicator
Communication	RS232, RS485, CAN
General Specification	
Dimension( W×D×H mm )	450×150×533mm
Weight (Kg)	47kg
Installation	Floor stand or Wall mounted
Working Temperature <sup>2</sup>	-20°C ~ 60°C
Storage Temperature	≤25°C, 12 months
	≤35°C, 6 months
	≤45°C, 3 months
General Specification	
Operating / Storage / humidity	≤ 95%RH
Max Operating Altitude	≤2000m
IP Rating	IP20
Cell Technology	LiFePO <sub>4</sub> , Lithium-ion Phosphate
Cycle life <sup>3</sup>	6000 Cycles @ 80% DOD / 25°C / 0.5C, 60% EOL
Scalability	Max 8 batteries in parallel
Standard Compliance	
Certification	UN38.3, IEC62619, IEC62040-1 (more available upon request)
Ordering and Deliverable Part	
Product ordering part	SUN-BATT-5.12-BYD 100Ah Wall SUN-BATT-5.12 parallel cable SUN-BATT-5.12 to PCS cable



## CONTACT US

Email us: [sales@sunsynk.com](mailto:sales@sunsynk.com) Call us UK: +44 151 8324300

VAT Number: 175669460

UK Address: Sunsynk, 17 Turnstone business park,  
Mulberry Avenue. Widnes, Cheshire, WA8 0WN.

GlobalTech Ltd

