SUN-BATT-5.12



DATASHEET

SUN-BATT-5.12-BYD 100Ah Wall

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 / sales@globaltech-china.com

v.1 (03/20/22)

Performance	
Nominal Voltage	51.2 Vdc
Nominal Capacity	100Ah
Battery Energy1	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 Temperature2	-20ºC ~ 60ºC
Storage Temperature	≤25ºC, 12 months ≤35ºC, 6 months ≤45ºC, 3 months
Operating / Storage / humidity	≤ 95%RH
Max Operating Altitude	≤2000m
IP Rating	IP20
Cell Technology	$LiFePO_4$, Lithium-ion Phosphate
Cycle life3	6000 Cycles @ 80% DOD / 25ºC / 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

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

Tel. HK +852 2884 4318 Fax: +852 2884 4816
Tel. UK +44 151 528 9945
Tel. SA +27 1108 39837

sales@globaltech-china.com

Audio Training manuals on Apple Pod Cast and Spotify.
Full training support, manuals and videos on www.sunsynk.com

SUN SYNK



Global Tech China Ltd
3rd Floor, Wai Yip Street Kwun Tong, Kowloon, Hong Kong
Want to become a distributor? Or want to know more?
Email us: sales@globaltech-china.com Our website: www.sunsynk.com
GT website: www.globaltechchina.com