

Low-Voltage Battery System

XWB-5.12KWH



High Performance

5.1~81.9 kWh wide capacity range
Max.100A/135 A charge /discharge current
Cycle life> 6000 cycles



Assured Reliability

IP40 ingress protection
LFP battery cell & high-performance processors



Smart Management

Remote fault diagnosis, upgrade and maintenance
Wide temperature tolerance
User-friendly LCD touchscreen for intuitive and easy interaction



Flexible Adaptability

Expandable to 16 units in parallel
CTP (Cell-to-Pack) design maximizes space and energy density for superior performance

Xwatt[®]
TRUST in every watt

XWATT ENERGY PRIVATE LIMITED

New Sarvoday Society Street No.1, Opp Equity Hyundai,
Nr. Nayara Pump, 80ft Road, Rajkot - 360 003

TOLL FREE : 18001201278

+91 90816 55529

sales@xwatt.in

www.xwatt.in

Low - Voltage Battery System

GENERAL INFORMATION

Battery model	XWB-5.12KWH
Battery type	LFP
Scalability	Max. 16 pcs in parallel
Rated voltage	51.2 Vdc
Operating voltage range	42.4 ~ 57.6 Vdc
Rated energy	5.1 KWh
Usable energy (95% DOD) ^①	4.8 KWh
Rated power	2.5 KW
Max. power	6.9 KW
Peak output power	10.2 KW, 10s
Recommend charge / Discharge current	50 A
Max. charge / Discharge current ^②	100 A / 135 A
Depth of discharge	95%
Cycle life (95% DOD) ^③	> 6000 cycles
Dimensions (W x H x D)	370mm x 635mm x 183mm
Net weight	42.8 ± 1 kg
Warranty	10 Years

ENVIRONMENTAL REQUIREMENTS

Charge temperature	0 ~ +55°C
Discharge temperature	-20~ +55°C
Cooling concept	Natural cooling
Storage temperature	-20 ~ +30°C (12 months) +30 ~ +60°C (6 months)
Relative humidity	5 ~ 95% RH (non-condensing)
Max. operating altitude	3000m
Installation type	Wall mounting / Floor mounting
Ingress protection	IP40
Environment	Indoor

COMMUNICATION INTERFACES

Display	Indicators / LCD
Communication interfaces	CAN2.0 / RS485

STANDARD

Hazardous materials classification	Class 9
Protection class	Class I
Certifications	IEC 62477, IEC 62619, IEC 60730, IEC 63056, IEC 61000

Test conditions : 95% DOD, 0.5C charge & discharge @+25°C

Current is affected by the number of batteries connected in parallel as well as temperature and SOC

Test conditions : 25 ± 2°C, 0.5C charge & discharge, 70%EOL