

BOS-G



◆ Convenient

Quick installation standard of 19-inch embedded designed module is comfortable for installation and maintenance.

◆ Safe and reliable

Cathode material is made from LiFePO4 with safety performance and long cycle life, The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.

◆ Intelligent BMS

It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature. The system can automatically manage charge and discharge state and balance current and voltage of each cell.

◆ Eco-friendly

The whole module is non-toxic, non-polluting and environmentally friendly.

◆ Flexible configuration

Multiple battery modules can be in parallel for expanding capacity and power. Support USB upgrade, wifi upgrade(optional), remote up grade(Compatible with Deye inverter).

◆ Wide temperature

Working temperature range is from -20°C to 55°C, with excellent discharge performance and cycle life.

Deye

Stock Code: 605117.SH

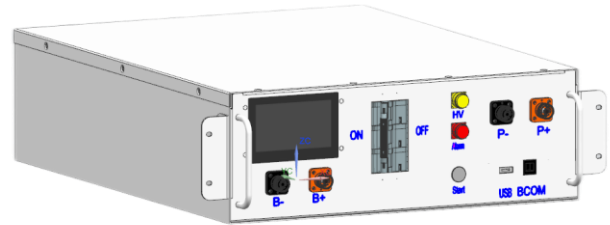
Model		B05-G		
Main Parameter				
Cell Chemistry	LiFePO4			
Module Energy(kWh)	5.12			
Module Nominal Voltage (V)	51.2			
Module Capacity(Ah)	100			
Battery Module Qty in series. (Optional)	4 (Min)	8 (Standard US Cluster)	12 (Standard EU Cluster)	
System Nominal Voltage (V)	204.8	409.6	614.4	
System Operating Voltage (V)	180~230	359~460	538~691	
System Energy (kWh)	20.48	40.96	61.44	
System Usable Energy (kWh)	18.5	36.86	55.29	
Charge/Discharge Current (A)	Recommend	50		
	Max	100		
	Peak (2 mins, 25°C)	125		
Working Temperature(°C)	Charge: 0~50/Discharge: -20~55			
Status Indicator	Yellow: Battery High Voltage Power On Red: Battery System Alarm			
Communication Port	CAN2.0/RS485			
Humidity	5~85%RH			
Altitude	≤2000m			
IP Rating of Enclosure	IP20			
Dimension (W/D/H,mm)	580*590*1615		580*590*2200	
Weight Approximate (kg)	258	434	628	
Installation Location	Rack Mounting			
Storage Temperature(°C)	0~35			
Recommend Depth of Discharge	90%			
Cycle Life	25±2°C, 0.5C/0.5C, EOL70%≥6000			
Warranty	10 years			
Certification	CE/IEC62619/UL1973/UL9540A/UN38.3			

- 1 DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.
- 2 The current is affected by temperature and SOC.
- 3 The warranty is due whichever reached first of warranty period or life cycle power.

Model	Description
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HVB750V/100A-EU	High Voltage Battery cluster control box conforming to European or British Standards
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Operating Voltage	120 ~ 750Vdc
Nomina Charge/Discharge Current	100A
Max.Charge/Discharge Current	125A
DC Input Rating	12±2%V/4.15A
Operating Temperature Range	-20~55°C
Ingress Protection	IP20
Dimension (W/D/H)	440*565*150mm
Weight Approximate	15.5kg



HVB750V/100A-US	High Voltage Battery cluster control box conforming to North American Standard
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Operating Voltage	120 ~ 750Vdc
Nominal Charge/Discharge Current	100A
Max.Charge/Discharge Current	125A
DC Input Rating	12±2%V/4.15A
Operating Temperature Range	-20~55°C
Ingress Protection	IP20
Dimension (W/D/H)	440*565*150mm
Weight Approximate	17kg



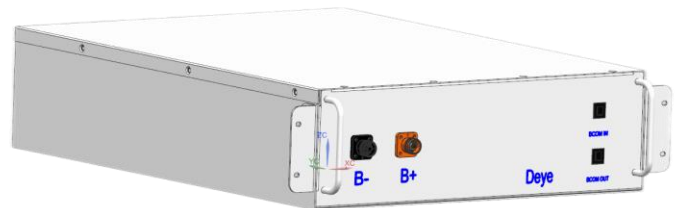
High voltage box Standard configuration:

- ① 120 ohm terminal resistance
- ② 140mm communication cable
- ③ 220mm power cable
- ④ 1.5m power cable (US Version)
2.1m power cable (EU Version)



BOS-GM5.1	5.12 kwh battery module
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Battery Type	LiFePO4(LFP)
Nominal Voltage	51.2Vdc
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Nominal Charge/Discharge Current	100A
Max.Charge/Discharge Current	125A
Charge Temperature	0~50°C
Discharge Temperature	-20°C ~ 55°C
Storage Temperature	0°C ~ 35°C
Ingress Protection	IP20
Dimension (W/D/H)	440*570*133mm
Weight Approximate	44kg



Battery module Standard configuration:

- ① 110mm communication cable
- ② 200mm power cable



EPCable5.0(Optional)	Standard 5-meter power cable connected to the positive pole of the external PCS
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1000V/4AWG cable



ENCable5.0(Optional)	Standard 5-meter power cable connected to the negative pole of the external PCS
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1000V/4AWG cable



Model	Description
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EPWR Cable5.0(Optional)	Standard 5-meter cable connected to external 12VDC power supply
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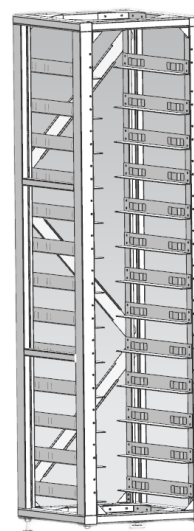


ECOM Cable5.0(Optional)	Standard 5-meter communication cable connected to the external device
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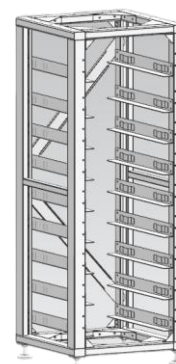
3U-HRACK(Optional)	Standard 19inch rack, caninstall 12 pcs batteries and 1 pcs High Voltage Battery cluster control box
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Dimension (W/D/H) Weight Approximate	580*590*2200mm 85kg
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3U-LRACK(Optional)	Standard 19inch rack, caninstall 8 pcs batteries and 1 pcs High Voltage Battery cluster control box
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Dimension (W/D/H) Weight Approximate	580*590*1615mm 65kg
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VMBW - SERIES

51.2V- 200AH



Features



Higher efficiency

- Adopts lithium iron phosphate battery cell, with cycle life of 6000+ (times)
- Compatible with mainstream inverter communication protocol, strong adaptability
- Maximum 16 series parallel connection, strong scalability



Safe and reliable

- IP20 protection, 10-year warranty
- Built-in BMS and air switch, all-round protection
- Localized sales support + perfect after-sales service



User Friendly

- Plug-in wiring for easy installation
- Supports floor and wall mounting, saving installation space.
- Equipped with 4.3-inch touch color screen, more comprehensive display content

Model		VMBW-51200
Main Parameter		
Battery Chemistry		LiFePO4
Capacity (Ah)		200
Scalability		Max. 16 pcs pack in parallel
Nominal Voltage (V)		51.2
Operating Voltage(V)		43.2~57.6
Nominal Energy (kWh)		10.24
Usable Energy (kWh) [1]		9.21
Charge/Discharge Current (A) [2]	Recommend	120
	Max.	200
	Peak(2mins,25°C)	250
Other Parameter		
Recommend Depth of Discharge		80%
Dimension(W*H*D, mm)		550*815*160
Weight Approximate(kg)		95
IP Rating of Enclosure		IP20
Operating Temperature		Charge: 0~55°C Discharge: -20°C~60°C
Storage Temperature		0~40°C
Humidity		5%~95%
Altitude		≤2000m
Cycle Life		≥6000(25°C±2°C ,0.5C/0.5C,80%DOD,70%EOL)
Installation		Wall - Mounted, Floor - Mounted
Communication Port		CAN2.0,RS485
Warranty Period [3]		10 years
Certification		UN38.3, IEC62619, CE

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] Conditions apply, refer to Vamitek Warranty Letter.

LUX-E Battery Pack

LUX-E-48100LG01



Specification



Model	LUX-E-48100LG01
Battery Type	LiFePO4
Nominal Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Recommend Charge/Discharge Current	50A
Max.continuous charge/Discharge current[1]	60A
Peak Charge/Discharge Current(15s)	100A
Scalability	Max. 12 PCS in Parallel (61.44kWh)
Depth of Discharge(DOD)	≥ 95%
Display type	LED
Protection Level	IP65
Working Temperature Range	Charge: 0°C~55°C
Working Temperature Range	Discharge:-20°C~55°C
Storage Temperature Range	0°C~+35°C
Humidity	5%~95%
Altitude	≤ 2000m
Communication	RS485 / CAN
Cycle Life[2]	≥ 6000 Cycles
Installation	Wall-Mounted / Floor-Mounted
Protection	Built-in smart BMS, Breaker
Warranty Period[3]	10 Years
Product Weight Approximate	48.5 kg
Package Weight Approximate	64.5 kg
Product Dimension	665x440x175 mm
Package Dimension	760x540x345 mm

[1] Max. continuous charge/discharge current is affected by temperature and SOC.

[2] Test conditions: 0.2C Charging/Discharging @25°C, 80% DOD.

[3] Conditions apply, refer to FelicityESS Warranty Letter.

Product Features



LiFePO4:
Higher safe performance
and longer cycle life



Multiple Protection:
Built-in smart
BMS and Breaker



Flexible Installation:
Wall-Mounted or
Floor-Mounted



Wide Compatibility:
Compatible with leading
inverter brands



High Scalability



Long Warranty:
10 Years