

VLESW SERIES

Datasheet



Overview

Wall-mount lithium iron phosphate (LFP) battery modules are specially designed for small & medium residential application by Voltgo. This product line includes two modules: 51.2V 60Ah & 51.2V 100Ah. Each module has an intelligent BMS inside, which offers over-volt, under-volt, over-current, short circuit, over-temp & low-temp protection. Meanwhile multi-layer safety design (material, cell, structure, fire aerosol etc.) will also greatly enhance the safety performance of the product.

	VLES3000W	VLES5000W		
Basic Parameter			Life Cycle	
Rated Voltage (V)	51.2	51.2	Cycle Life (Time)	> 6000 (0.5C@ 25°C, 80% DOD)
Rated Capacity (Ah)	60	100	Design Life (Year)	15
Rated Energy (Wh)	3072	5120		
Operation Parameter			Environment Parameter	
Voltage Range (V)	44.8~56	44.8~56	Humidity (%)	5~95% RH
Cut-off Voltage (V)	44.8	44.8	Charge Temperature Range	0~45 °C / 32~113°F
Recommend Charge Current (A)	≤30	≤50	Discharge Temperature Range	-20~55 °C / -4~131°F
Max Constant Charge Current (A)	60	100	Storage Temperature Range	-20~45 °C / -4~113°F
Max Constant Discharge Current (A)	60	100		
Physical Parameter			Certification	
Dimensions :W*D*H	605*383*100(mm) 23.81*15.07*3.93(in)	625*423*160(mm) 24.61*16.65*6.30(in)	Safety & Certification	UL1973, IEC62619 Compliant
Weight	28(Kg) 61.7(lb)	48(Kg) 105.6(lb)	Transportation	UN38.3
Display method	LED+LCD			

Key Features



Easy Installation

Back pendant structure design, easy to install.

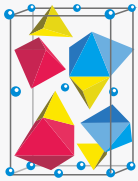


LFP Cell & System safety design

Multi-level safety design (material, cell, bracket & system safety design)

LFP material

Olivine structure with high thermal stability



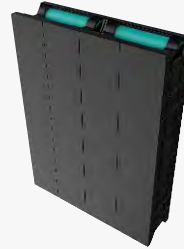
CID (Cylindrical)

Current Interrupt Device



Structure (Cylindrical)

Flame retardant bracket



Module

Aerosol module



Other Features



Smart Balancing

Built-in balance circuit will auto trigger while reaches to set conditions, that will great will improve the consistency of the battery and extend your lifespan.



Intelligent BMS

The battery management system (BMS) provides short circuit, over-voltage, low-voltage, over-temp, low-temp protection;



Maintenance-free

15y design life & 6000 cycles(0.5C, 80% DOD@25°C), maintenance-free during the whole lifetime, and a wide operating temperature range.



Real-time monitoring and control

Monitoring the battery operation status(Voltage, Current Temperature, SOC etc.)in real time.

Address:
140 N MAPLE ST STE 106 CORONA,
CA 92880

Website:
www.voltgopower.com

Phone:
+1 840 200 6318
+1 514 867 8358

Contact info:
sales@voltgopower.com