LV-48V-20 Ah LiFePO4 Battery

Intelligent Lithium Battery integrated with self-designed Battery Management System (BMS) which can be widely used in various applications: Telecom, Integrated Base stations, Edge stations, Micro-Cell stations, FTTX equipment, Distributed Power supply, Standby, Broad Band, FTH, Small Cell sites etc.

Key Features

- High quality LFP cells
- High rate charge/discharge current @ 1C/1C
- Long design life up to 15+years @25°C
- RS 485 Modbus / CAN Bus (Optional)
- Multiple protection method using own BMS
- High efficiency between charge and discharge
- On Board Memory of events through SD Card

Specification

Model		HBL-iON-48V-20
Electrical Characteristics	Nominal Voltage	48V
	Nominal Capacity	20 Ah
	Energy	960 Wh
	Cycle Life	3000 cycles @80% DOD, 25°C
	Self-Discharge (28 days)	≤3%, @25°C
	Efficiency of charge	≥98%
	Efficiency of Discharge	≥98% @ 0.2C
		≥96%@ 0.5C"
Charge	Charge Voltage	55.0V±0.1V
	Charging Method	Charge current of 0.2C up to 55.0V, then 0.02C after reaching 55.0V (CC/CV)
	Max. Charge Current	20A (1C)
	Charge Cut-off Voltage	56.25V±0.2V
Discharge	Max. Continuous Discharge Current	20A (1C)
	Discharge Cut-off Voltage	42V±0.2V
Environmental	Charge Temperature Range	0°C to 45°C
	Discharge Temperature Range	-20°C to +60°C
	Optimum Operation Temperature	20°C to 25°C
	Storage Temperature	-20°C to +25°C
	Humidity	5%≤RH≤85%
	Ingress protection rating	IP20
Mechanical	Module	MS
	Dimensions	L:320mm, W:250mm, H:167mm
	Weight(Kgs)	16.5
BMS, Others	Protection	Over Voltage, Under Voltage, Short Circuit, Over Temperature, Over Charge current, Over Discharge current
	Communication Protocol	RS485, zMODBUS (Optional)
	SOC Light	4*LED
	Parallel	Up to 15 parallels
	LCD Screen	Optional

*Note: Features and Specifications are subject to change without notice due to continual improvement in technology

HBL®
HBL Power Systems Limited

Road No. 10, Banjara Hills, Hyderabad – 500 034, India.
email: contact@hbl.in Website : www.hblbess.com
Corporate website : www.hbl.in