

RACK-MOUNT LITHIUM BATTERY ENERGY STORAGE SYSTEM

May the power be with you

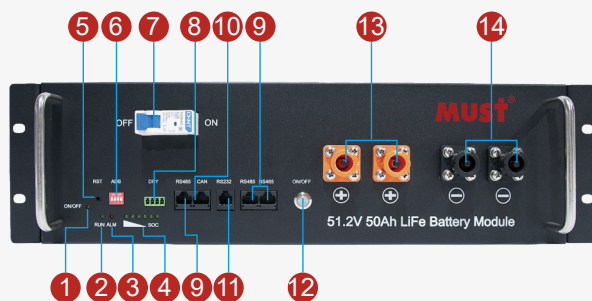


HBP1800 RT Series

MUST 19" Rack-Mount 3U lithium battery energy storage system is an all-in-one solar and storage solution which integrates the solar inverter and LiFePO4 battery enclosure into a pre-wired modular system for easier and faster installation.

- + Modular, Scalable & Proven Performance
- + Parallelable for up to 6 battery packs
- + Non-Toxic & Non-Hazardous Cobalt-Free LFP Chemistry
- + The ESS is pre-wired and factory tested to enable quick installation
- + BMS has protection functions including over-discharge, over-charge, over-current, and high/low temperature

Pic of Input & Output Port



1. ON/OFF indicator
2. RUN indicator
3. Alarm indicator
4. SOC indicator
5. RST port
6. ADS switch
7. Power switch
8. DRY port
9. RS485 communication port
10. CAN port
11. RS232 communication port
12. Start buttons
13. BAT+
14. BAT-

RACK-MOUNT LITHIUM BATTERY ENERGY STORAGE SYSTEM HBP1800 RT SERIES

MUST®

Specifications

MODEL		HBP1800 RT		
Inverter	Rated power	5200W		
	Output voltage waveform	Pure sine wave		
	Output voltage regulation	230VAC $\pm 5\%$		
	Output frequency	50Hz or 60Hz ($\pm 0.2\text{Hz}$)		
	Peak efficiency	93%		
	Nominal DC input voltage	48Vdc		
	Standby Consumption	< 25W		
PV Input	Max solar power input	4000W		
	PV max charging current	80A		
	Combined charging current	80A		
	Max efficiency	98% max		
	PV array open circuit voltage	450VDC		
	PV Array MPPT Voltage Range	150~430VDC		
AC Input	AC input voltage	230VAC $\pm 5\%$		
	Acceptable input voltage range	170~280VAC		
	Nominal input frequency	50Hz / 60Hz (Auto detection)		
	Transfer time	10ms typical (UPS, VDE); 20ms typical (APL)		
AC Charge	Charging current @ Nominal input voltage	60A		
	Charging Algorithm	4-step (Li)		
Lithium Battery	Energy	10Kwh	20Kwh	30Kwh
	Nominal voltage	51.2V		
	Battery capacity	51.2V 100Ah 3U Module $\times 2$	51.2V 100Ah 3U Module $\times 4$	51.2V 100Ah 3U Module $\times 6$
	Standard charging and discharge current	100A		
	Maximum continuous charging & discharge current	100A		
	Battery Protection	BMS Battery Management System Dynamic Protection		
	Operation ambient temperature	0~45°C		
	Storage ambient temperature	-20~55°C		
Protection	Battery Protection	BMS Battery Management System Dynamic Protection		
	Input Protection			
	Output Protection			
Dimension	Product Size (LxWxH) (mm)	/	/	/
	Package Size (LxWxH) (mm)	/	/	/
	Net Weight	/	/	/
	Gross Weight	/	/	/

The technical specifications of this document are subject to change without any notice