



MTRK-HV Series

High Voltage Rack Mount LiFePO₄ Battery Pack



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.



Intelligent BMS

It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature.



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.



Wide Temperature

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

MTRK-HV Series



MODEL		MTRK-HV20	MTRK-HV25	MTRK-HV30	MTRK-HV35	MTRK-HV40	MTRK-HV46
Cell chemistry		LiFePO4					
Module energy(kWh)		5.12					
Module nominal voltage(V)		51.2					
Module capacity(Ah)		100					
Cell model/Configuration		3.2V100AH/64S1P	3.2V100AH/80S1P	3.2V100AH/96S1P	3.2V100AH/112S1P	3.2V100AH/128S1P	3.2V100AH/144S1P
System nominal voltage(V)		204.8	256	307.2	358.4	409.6	460.8
System operating voltage(V)		172.8~224	215~280	259.2~336	302.4~392	345.6~448	388.8~504
System energy(kWh)		20.48	25.6	30.72	35.84	40.96	46.08
Charge/ Discharge Current(A)	Recommend	50					
	Max	100					
Working temperature		Charge: 0°C~55°C; Discharge: -20°C~55°C					
Communication port		CAN2.0/RS485/WiFi					
Humidity		5~85%RH Humidity					
Altitude		≤2000m					
IP rating of enclosure		IP20					
Dimension(W×D×H,mm)		538×492×791	538*492*941	538*492*1091	538*492*1241	538*492*1391	538*492*1541
Weight approximate(kg)		195	240	285	330	375	420
Installation location		Rack Mounting					
Storage temperature(°C)		0°C~35°C					
Recommend depth of discharge		90%					
Cycle life		25±2°C, 0.5C/0.5C, EOL70%≥6000					