

TH-R-HV



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 upgrade (Compatible with Deye inverter).



Wide Temperature

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



MODEL		TH-R-HV20	TH-R-HV25	TH-R-HV30	TH-R-HV35	TH-R-HV40	TH-R-HV46	TH-R-HV51
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	3.2V100Ah /160S1P
System nominal voltage(V)		204.8	256	307.2	358.4	409.6	460.8	512
System operating voltage(V)		172.8~224	215~280	259.2~336	302.4~392	345.6~448	388.8~504	432~560
System energy(kWh)		20.48	25.6	30.72	35.84	40.96	46.08	51.2
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		≤2000 m						
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	538*492*1691
Weight approximate(kg)		195	240	285	330	375	420	465
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						