

# 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  $-20^{\circ}\text{C}$  to  $55^{\circ}\text{C}$ , 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						