

# MA-TH-T-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		MA-R-HV20	MA-R-HV25	MA-R-HV30	MA-R-HV35	MA-R-HV40	MA-R-HV46	MA-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)		185.6~227.2	232~284	278.4~340.8	324.8~397.6	371.2~454.4	417.6~511.2	464~568	
System energy(kWh)		20.48	25.6	30.72	35.84	40.96	46.08	51.2	
Charge/ Discharge Current(A)	Rcommend							50	
	Max							100	
Working temperature								Charge: 0°C ~ 50°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								Storage 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	