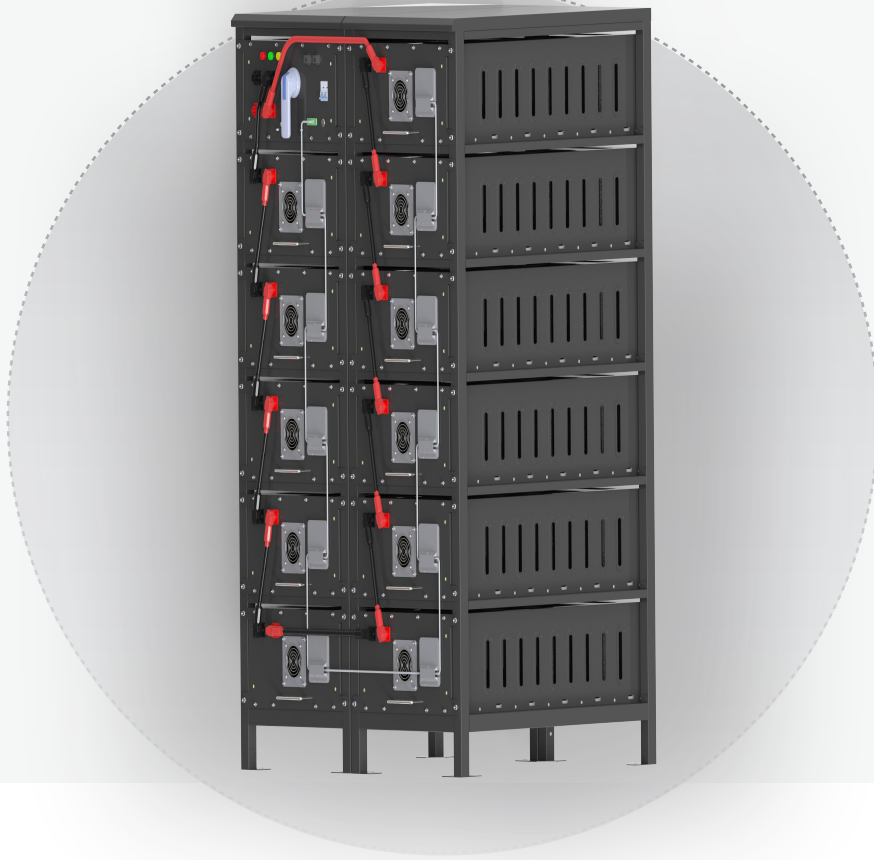


MA-TC-R-HV



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.



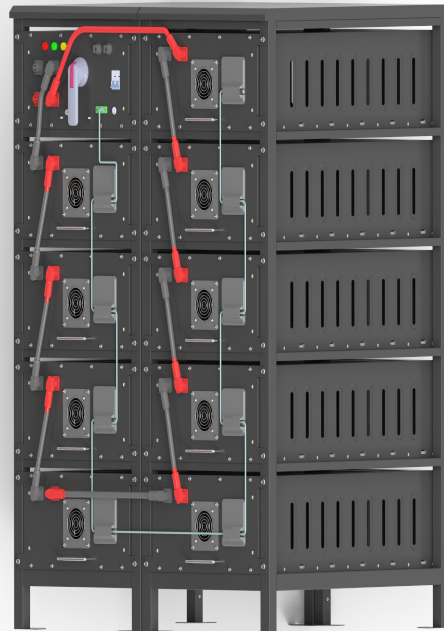
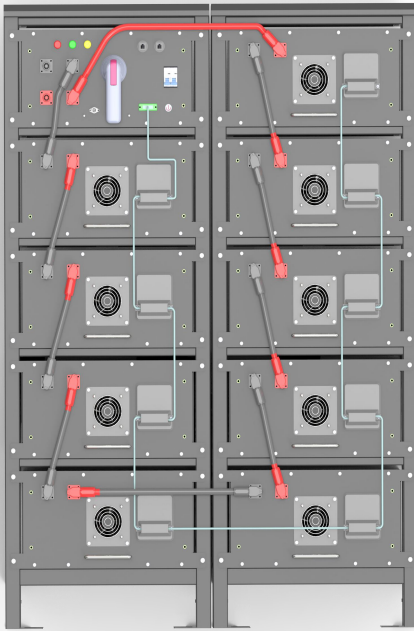
Flexible Configuration

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	MA-R-HV384	MA-R-HV512	MA-R-HV640	MA-R-HV704	MA-R-HV768
Nominal voltage	384	512	640	704	768
Cell model/ Configuration	3.2V280Ah(EVE) /120S1P	3.2V280Ah(EVE) /160S1P	3.2V280Ah(EVE) /200S1P	3.2V280Ah(EVE) /220S1P	3.2V280Ah(EVE) /240S1P
Capacity(Ah)	280				
Rated energy(kwh)	107.52	143.36	179.2	197.12	215.04
Weight(Approx)(kg)	820	1080	1350	1500	1650
Dimension W*D*H(mm)	1992*950*550	1475*950*1100	1732*950*1100	1732*950*1100	1992*950*1100
Voltage range(Vdc)	348~426	464~568	580~710	638~781	696~852
Max.charge/discharge current(A)	140				
Scalability	up to 10 paralle				
Communieation	RS485 (B) -BAT/RS485 (A) -PC/Canbus-Inverter				
Cycle life	25±2°C, 0.5C/0.5C, EOL70%≥6000				
Design life	≥15年(25°C)				
Protection	BMS,Breaker				
Operation temperature(°C)	Charge: -10°C~50°C; Discharge: -20°C~50°C				
Altitude(m)	≤2000				
Humidity	<95%(Non-condensing)				