

High Voltage Lithium-Ion Phosphate Battery storage system



Module	ML5.12K-HVR-07
Basic Parameters	
Capacity(kWh)	5.12
Nominal Voltage(Vdc)	51.2
Nominal Capacity(AH)	100
Voltage Range(Vdc)	46.4 -56
Depth of Discharge	90%
Dimension(W* D* H,mm)	520*500*140
Design Life	15+ years (25°C)
Cycle Life	> 6000 (25°C)
Communication	CANBUS/Modbus RTU/TCP/IP
Protection Class	IP20
Weight(kg)	45
Operation Temperature	-10~60°C
Storage Temperature	0~35°C
Product Certificate	UN38.3

HVRC-100A-07



Module	HVRC-100A-07
Basic Parameters	
Related Product	1000V120A
AC Supply	—
System Operation Voltage (Vdc)	51.2 ~1000
Operation Current (Max.) (A)	100
Self-consumption Power(W)	8
Dimension (W* D* H, mm)	520*542*140
Communication	MODBUS RTU/CAN
Protection Class	IP20
Weight(kg)	19.5
Operation Life	15+
Operation Temperature	-20~65
Storage Temperature	-40~80

BMS Function

Protection and Alarm

Charge/Discharge End
 Charge Over Voltage
 Charge/Discharge Over Current
 High/Low Temperature
 Operation Record
 Administrator Monitor: Current,
 Voltage, Temperature, SOC&SOH.

Management and Monitor

Cells Balance
 Intelligent Charge Model
 Capacity Retention Calculate
 Isolation and Protection
 Alarm and Protection