

## High Voltage Lithium-Ion Phosphate Battery storage system



Module	ML16K-HVR-07
<b>Basic Parameters</b>	
Capacity(kWh)	16.07
Nominal Voltage(Vdc)	51.2
Nominal Capacity(AH)	314
Voltage Range(Vdc)	46.4~56
Depth of Discharge	90%
Dimension(W* D* H,mm)	483*800*234
Design Life	15+ years (25°C)
Cycle Life	> 8000 (25°C)
Communication	CANBUS/Modbus RTU/TCP/IP
Protection Class	IP20
Weight(kg)	122
Operation Temperature	-20~55°C
Storage Temperature	0~35°C
Product Certificate	UN38.3

## HVRC-314A-07



Module	HVRC-314A-07
<b>Basic Parameters</b>	
Related Product	1000V250A
AC Supply	—
System Operation Voltage (Vdc)	51.2~1000
Operation Current (Max.) (A)	250
Self-consumption Power(W)	8
Dimension (W* D* H, mm)	480*550*178
Communication	MODBUS RTU/CAN
Protection Class	IP20
Weight(kg)	23.2
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