High Volage Lithium-Ion Phosphate Battery storage system

Battery Module : 51.2V314Ah



Module	51.2V314Ah
Basic Parameters	
Capacity(kWh)	16
Nominal Voltage(Vdc)	51.2
Nominal Capacity(AH)	314
Voltage Range(Vdc)	43.2~57.6
Depth of Discharge	80%
Dimension(W* D* H,mm)	435*800*233.6
Design Life	15+ years (25℃)
Cycle Life	> 6000 (25℃)
Communication	CANBUS/Modbus RTU/TCP/IP
Protection Class	IP20
Weight(kg)	110
Operation Temperature	0~50℃
Storage Temperature	-20~60℃
Product Certificate	CE UN38.3 MSDS

Main Controller : PDU1000V250A



Module	1000V250A
Basic Parameters	
Related Product	1000V250A
Display	WIFI 、Touch screen
System Operation Voltage (Vdc)	0~1000
Operation Current (Max.) (A)	250
Self-consumption Power(W)	8
Dimension (W* D* H, mm)	440*442*179
Communication	MODBUS RTU/CAN
Protection Class	IP20
Weight(kg)	20
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

System Volage < 1000V



Module

Basic Parameters	
Battery System Capacity (kWh)	16* n
Battery System Voltage (Vdc)	51.2* n
Battery System Capacity (AH)	314
Battery Module	51.2V314Ah
Battery Capacity(kWh)	16
Battery Modules Qty. (Optional)	1~15
Battery System Charge Upper-Voltage	57.6* n
Standard Operation Current(A)	100
Normal Operation Current(A)	140
Max. Operation Current(A)	140
Battery System Discharge lower-Voltage	43.2* n
Round-trip efficiency（@1C-rate）	95%
Depth of Discharge	90%
Dimension(W* D* H, mm)	1054*799*2255
Communication	CANBUS/Modbus RTU/TCP/IP
Weight (kg)	180kg+130 kg* n
Operation Life	15+Years
Operation Temperature	10~40℃
Storage Temperature	-20~60℃
Humidity	5 – 95%(without condensing)
Altitude (m)	<4000
Product Certificate	IEC62619/CE/UN38.3