

High Voltage Lithium-Ion Phosphate Battery storage system -Powercube X1

Battery Module: H48050



Module **H48050**

Basic Parameters

Capacity(kWh)	2.4
Nominal Voltage(Vdc)	48
Nominal Capacity(AH)	50
Voltage Range(Vdc)	45~54
Depth of Discharge	90%
Dimension(W*D*H,mm)	442*390*100
Communication	RS232/CAN
Protection Class	IP20
Weight(kg)	24
Operation Life	15+ years
Operation Temperature	0~50°C
Storage Temperature	-20~60°C
Product Certificate	UN38.3



Main Controller : SC500-100S

Module

SC500-100S

Basic Parameters

Related Product	PowerCube-X1
Controller Working Voltage(Vdc)	60~600
System Operation Voltage(Vdc)	60~600
Charge/Discharge Current(Max.)(A)	100
Self-consumption Power(W)	8
Dimension (W*D*H, mm)	442*390*132
Communication	Modbus RTU/CAN
Protection Class	IP20
Weight(kg)	8.5
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

Powercube X1



Module
PowerCube-X1
Basic Parameters

Battery System Capacity (kWh)	2.4*n
Battery System Voltage (Vdc)	48*n
Battery System Capacity (AH)	50
Battery Module	H48050
Battery Module Capacity (kWh)	2.4
Battery Modules Qty. (Optional)	2~10
Battery System Charge Upper-Voltage(Vdc)	54*n
Charge/Discharge Current (Standard)(Ah)	10
Charge/Discharge Current (Normal)(Ah)	25
Charge/Discharge Current (Max.)(Ah)	50
Battery System Discharge lower-Voltage(Vdc)	43.5*n
Efficiency	96%
Depth of Discharge	90%(8~98%)
Dimension(W*D*H, mm)	600*505*2130
Communication	MODBUS RTU/CAN
Weight (kg)	77kg+24kg*n
Operation Life	10+Years
Operation Temperature	10~40°C
Storage Temperature	-20~60°C
Humidity	5%~95%
Altitude (m)	<2000
Product Certificate	IEC62619/VDE2510-50/UL1973/CE/CEC