

High Voltage Lithium-Ion Phosphate Battery storage system - Powercube H1

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 : SC1000-100S

Module	SC1000-100S
Basic Parameters	
Related Product	PowerCube-H1
Controller Working Voltage(Vdc)	200~1000
System Operation Voltage(Vdc)	200~1000
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

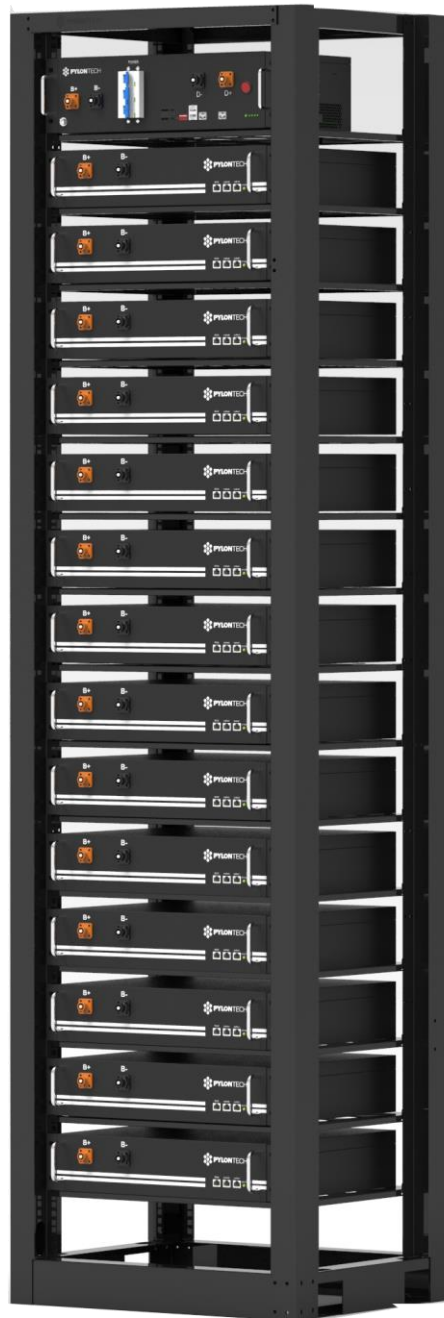
Protection and Alarm

- 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 H1



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) 5~15

Battery System Charge Upper-Voltage (Vdc) 54*n

Charge/Discharge Current* (Standard) (A) 10

Charge/Discharge Current* (Normal) (A) 25

Charge/Discharge Current* (Max.) (A) 50

Battery System Discharge lower-Voltage (Vdc) 43.5*n

Efficiency 96%

Depth of Discharge 90%

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