

## High Voltage Lithium-Ion Phosphate Battery storage system -Powercube M1

**Battery Module: H32148**



**Module** **H32148**

### Basic Parameters

Capacity(kWh)	4.74
Nominal Voltage(Vdc)	32
Nominal Capacity(AH)	148
Voltage Range(Vdc)	30~36
Depth of Discharge	90%
Dimension(W*D*H,mm)	330*628*150.5
Communication	RS485/CAN
Protection Class	IP20
Weight(kg)	48
Operation Life	10+ years
Operation Temperature	0~50°C
Storage Temperature	-20~60°C
Product Certificate	UN38.3/ UL9540A



**Main Controller : SC1000-200**

**Module**

**SC1000-200**

**Basic Parameters**

Related Product	PowerCube-M1
AC Supply	100 - 290Vac/50Hz/1.3A
System Operation Voltage (Vdc)	0~1000
Operation Current (Max.) (A)	180
Self-consumption Power(W)	8
Dimension (W*D*H, mm)	330×628×150.5
Communication	MODBUS RTU/CAN
Protection Class	IP20
Weight(kg)	15
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



**Main Controller : SC1000-200J**

**Module**

**SC1000-200J**

Basic Parameters	
Related Product	PowerCube-M1
AC Supply	---
System Operation Voltage (Vdc)	200~1000
Operation Current (Max.) (A)	180
Self-consumption Power(W)	8
Dimension (W*D*H, mm)	330×628×150.5
Communication	MODBUS RTU/CAN
Protection Class	IP20
Weight(kg)	15
Operation Life	15+
Operation Temperature	-20~65
Storage Temperature	-40~80

**BMS Function**

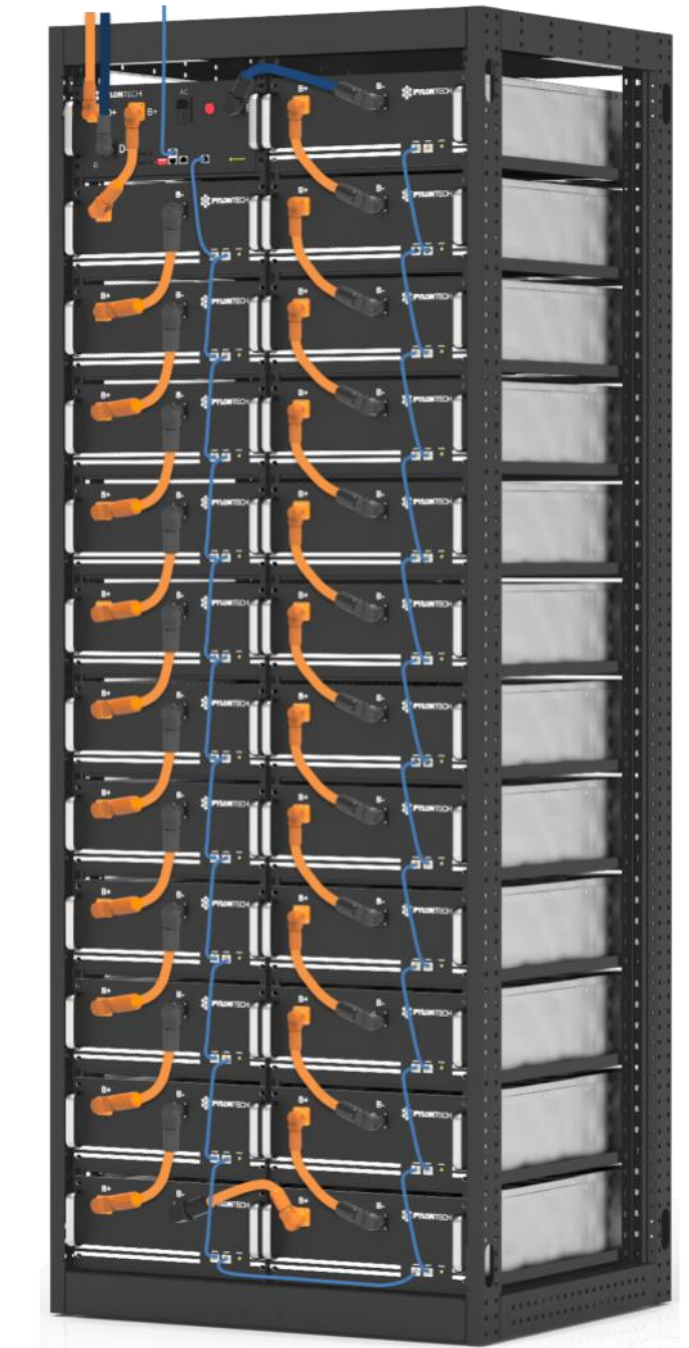
**Protection and Alarm**

- Charge/Discharge End
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**Management and Monitor**

- Cells Balance
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- Capacity Retention Calculate
- Isolation and Protection
- Alarm and Protection

## Powercube M1



**Module**
**PowerCube-M1**
**Basic Parameters**

Battery System Capacity (kWh)	4.74*n
Battery System Voltage (Vdc)	32*n
Battery System Capacity (AH)	148
Battery Module	H32148
Battery Module Capacity (kWh)	4.74
Battery Modules Qty. (Optional )	1~ 23
Battery System Charge Upper-Voltage(Vdc)	36*n
Battery System Standard Operation Current(Ah)	29.6
Battery System Normal Operation Current(Ah)	74
Battery System Max. Operation Current(Ah)	148
Battery System Discharge lower-Voltage(Vdc)	27*n
Efficiency	96%
Depth of Discharge	90%
Dimension(W*D*H, mm)	815*659*2130
Communication	RS485/CAN/Ethernet
Weight (kg)	120kg+47*n
Operation Life	10+Years
Operation Temperature	10~40℃
Storage Temperature	-20~60℃
Humidity	5%~95%
Altitude (m)	<4000
Product Certificate	IEC62619/IEC63056/UL1973/UL954 0A/VDE2510-50/CE/UN38.3