

High Voltage Lithium-Ion Phosphate Battery storage system – Powercube M1C

Battery Module: H32148-C



Module	H32148 -C
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Basic Parameters	
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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

SC1000-200L-C

Basic Parameters	
Related Product	PowerCube-M1 C
AC Supply	230Vac/50Hz/1.3A
System Operation Voltage (Vdc)	0~1000
Operation Current (Max.) (A)	148
Self-consumption Power-Relay Off (W)	12
Self-consumption Power-Relay On (W)	19
Dimension (W*D*H, mm)	330×628×150.5
Communication	MODBUS RTU/CAN /LAN
Protection Class	IP20
Weight(kg)	13
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-C

Basic Parameters	
Related Product	PowerCube-M1C
AC Supply	---
System Operation Voltage (Vdc)	0~1000
Operation Current (Max.) (A)	148
Self-consumption Power-Relay Off (W)	6
Self-consumption Power-Relay On (W)	15
Dimension (W*D*H, mm)	330×628×150.5
Communication	MODBUS RTU/CAN /LAN
Protection Class	IP20
Weight(kg)	13
Operation Life	15+
Operation Temperature	-20~65
Storage Temperature	-40~80

BMS Function

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 M1



Module	PowerCube-M1C
Basic Parameters	
Battery System Capacity (kWh)	4.74*n
Battery System Voltage (Vdc)	32*n
Battery System Capacity (AH)	148
Battery Module	H32148-C
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(A)	29.6
Battery System Normal Operation Current(A)	74
Battery System Max. Operation Current(A)	148
Battery System Discharge lower-Voltage(Vdc)	27*n
Efficiency	95%
Depth of Discharge	95%
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°C
Storage Temperature	-20~60°C
Humidity	5%~95%
Altitude (m)	<4000
Product Certificate	IEC62619/IEC63056/UL1973/UL9540 AVDE2510-50/CE/UN38.3