

## 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    |
|-----------------------------------|----------------|
| <b>Basic Parameters</b>           |                |
| 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**

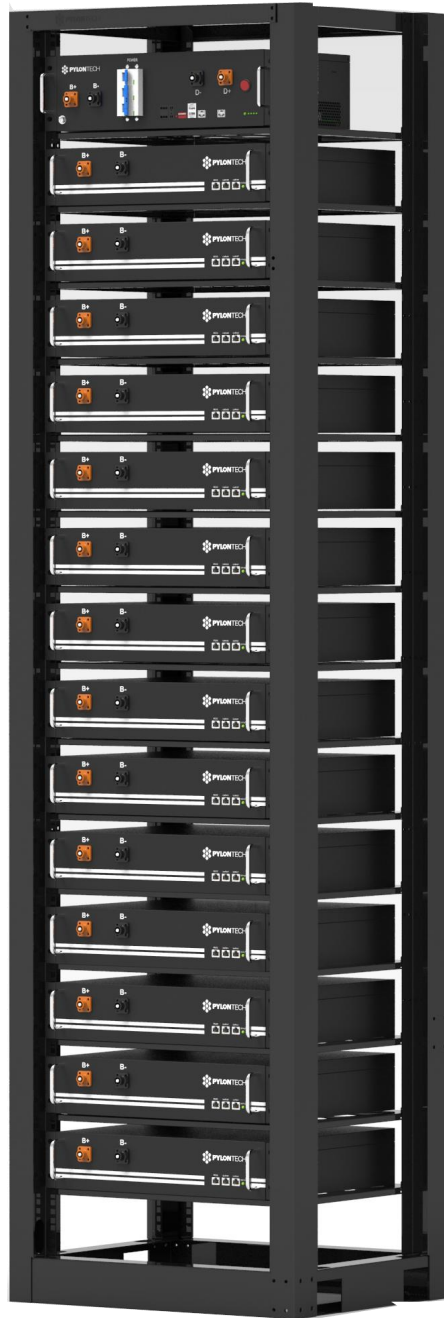
**Protection and Alarm**

- 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) (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%

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℃

Storage Temperature -20~60℃

Humidity 5%~95%

Altitude (m) <2000

Product Certificate IEC62619/VDE2510-50/ UL1973/CE/CEC