

# HV48100



## Features



### Safe

- LFP Chemistry
- Smart BMS



### Efficiency

- High Voltage System
- Voltage Range 200V~870V

## Compatible Cabinets



### HV48100 8S

BMU Quantity: 5~8

#### Dimensions:

600×640×1555mm /

23.6×25.2×61.2inch

**Weight:** 89.6kg / 197.5lbs

**Enclosure Rating:** IP20



### HV48100 12S

BMU Quantity: 9~12

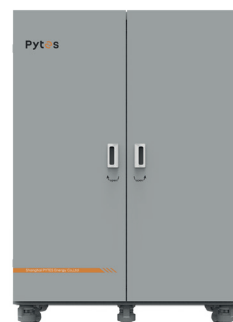
#### Dimensions:

595 x 680 x 2100mm /

23.4 x 26.8 x 82.7 inch

**Weight:** 138kg / 304.2lbs

**Enclosure Rating:** IP20



### HV48100 15S

BMU Quantity: 13~15

#### Dimensions:

1054 x 626 x 1463mm /

41.50 x 24.7 x 57.6 inch

**Weight:** 126.5kg / 278.9lbs

**Enclosure Rating:** IP20

# HV48100 Specs

## HV48100 BCU

|                            |                                             |
|----------------------------|---------------------------------------------|
| Controller Working Voltage | 200V~870V                                   |
| Self-consumption Power     | 7.56W                                       |
| Dimensions ( W x D x H )   | 484 x 510 x 140 mm / 19.1 x 20.1 x 5.5 inch |
| Weight                     | 13.3 kg / 29.3 lbs                          |
| Communication              | CAN, RS485, Dry Contact, WiFi               |
| Internal Communication     | RS232                                       |

## HV48100 BMU

|                                         |                                                                                                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Cell Type                               | LFP                                                                                                             |
| Nominal Energy                          | 5.12kWh                                                                                                         |
| Nominal Voltage                         | 51.2V                                                                                                           |
| Nominal Capacity                        | 100Ah                                                                                                           |
| Continuous Discharging/Charging Current | 50Adc                                                                                                           |
| Operating Voltage Range                 | 47.5~57.6V                                                                                                      |
| Depth of Discharge                      | 90%                                                                                                             |
| Series Connection Qty                   | 5~15pcs                                                                                                         |
| Dimensions ( W x D x H )                | 484 x 530 x 140 mm / 19.1 x 20.9 x 5.5 inch                                                                     |
| Weight                                  | 43 kg / 94.8 lbs                                                                                                |
| Internal Communication                  | RS232                                                                                                           |
| External Communication                  | CAN, RS485                                                                                                      |
| Cycle Life                              | ≥6000Cycles                                                                                                     |
| Operation Temperature                   | Charge: 0°C~45°C(32°F~113°F),<br>Discharge: -10°C~50°C(14°F~122°F)                                              |
| Storage Temperature                     | Within 1month: -20°C~50°C(-4°F~122°F)<br>1-3months: -10°C~40°C(14°F~104°F)<br>3-12months: > 0°C~30°C(32°F~86°F) |

## Certifications

UL9540 Ed.2 (2020), UL9540A, UL1973, CE, IEC62619, UN38.3, CEC