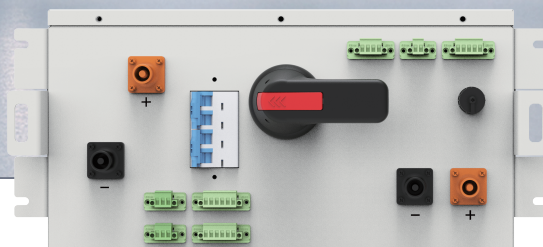
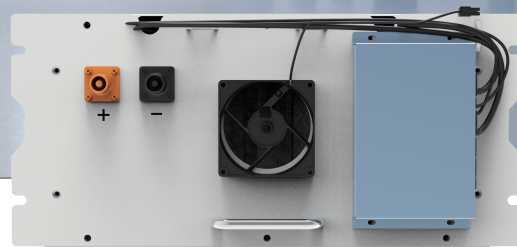


# HV48300 MAX



BCU



BMU

## Features



### Smart

- Remote monitoring with PYTES Battery Cloud
- Remote upgrading



### Safe

- Tier 1 automotive grade LFP cells
- BMS multi-level monitoring and protection



### Reliable

- Balancing solutions extend battery life
- Triple auxiliary power design for stable supply



### Flexible

- Flexible battery string configurations adapts to diverse inverter voltage ranges
- Flexible mounting structure seamlessly fits various inverter models
- Easy flexible to install with bracket and quick commissioning



### Scalable

- Supports 15 battery modules in series for a single group, supports multiple groups parallel connections

# HV48300 Max Specs

## HV48300 Max-BCU

Operating Voltage	0-1500VDC
Nominal Charge/Discharge Current	157A
Operating Temperature	-25°C~55°C
Ingress Protection	IP20

## HV48300 Max-BMU

Battery Module Energy	16.07kWh
Battery Module Nominal Voltage	51.2V
Battery Module Capacity	314Ah
Max Charge/Discharge Current	157A
Battery Module Q'ty in Series (Optional)	4~15

## Other Parameter

Operating Temperature	Charge: 0°C ~ 55°C Discharge: -25°C~ 55°C
Storage Temperature	-30°C ~ 60°C
Thermal Management	Smart fan cooling
LCD Display	SOC / Fault Code
Communication Port	TCP / RS485 / CAN
Humidity	5% ~ 95%
Altitude	≤ 2000m
IP Rating of Enclosure	IP20
Installation Location	Rack Mounted
Recommend Depth of Discharge	90%
Cycle Life	25 ± 2°C, 0.5C / 0.5C, EOL70%, ≥ 6000 Cycle
Warranty Period	10 years
Certification	CE / IEC62619 / UN38.3

## 64kWh-241kWh C&I ESS Solution

Battery Model Number	BCU Q'ty in ESS	BMU Q'ty in Series (Optional)	System Nominal Voltage	System Operating Voltage	System Energy	Max DC Power
HV48300-4	1	4	204.8V	166.4V-251.3V	64.3kWh	32.15kW
HV48300-5	1	5	256V	208V-292.9V	80.3kWh	40.15kW
HV48300-6	1	6	307.2V	249.6V-350.4V	96.4kWh	48.2kW
HV48300-7	1	7	358.4V	291.2V-408.8V	112.5kWh	56.25kW
HV48300-8	1	8	409.6V	332.8V-467.2V	128.6kWh	64.3kW
HV48300-9	1	9	460.8V	374.4V-525.6V	144.6kWh	72.3kW
HV48300-10	1	10	512V	416V-584V	160.7kWh	80.35kW
HV48300-11	1	11	563.2V	457.6V-642.4V	176.8kWh	88.4kW
HV48300-12	1	12	614.4V	499.2V-700.8V	192.9kWh	96.45kW
HV48300-13	1	13	665.6V	540.8V-759.2V	208.9kWh	104.45kW
HV48300-14	1	14	716.8V	582.4V-817.6V	225kWh	112.5kW
HV48300-15	1	15	768V	624V-876V	241.1kWh	120.55kW