V5° / V5°α

Features

- Remote Monitoring and Upgrading
- Higher Charge/Discharge Rate
- Wider Operation Temperature
- Higher Energy Density
- Greater scalability

10 Years Warranty

CE CLEAN ENERGY COUNCIL UN38.3 SGS TUV CEC SGIP

V5°/ V5°α Specs

Electrical

Nominal Voltage	51.2V
Voltage Range	47.5V~57.6V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Recommended Charge/ Discharge Current [1]	75A
Max Continuous Charge/ Discharge Current [2]	100A
Peak Charge/Discharge Current	101A~120A(3min) ; 121A~180A(15sec)

[1], [2]: The recommended and Max continuous charge and discharge current is for a battery cell temperature within 10°C~40°C(50°F~104°F) to consider. It will result in a derating on current if out of the temperature range.

General

Connection Options	V5°: PHOENIX M6 Bolt V5°α: Amphenol SurLok Plus 8.0mm
Chemistry	LFP
Communication Protocol	CAN / RS485
Dimensions (L x W x H)	442 x 530 x 140 mm (3.2U) / 17.4 x 20.87 x 5.51 inch (3.2U)
Weight	44 kg / 97 lbs
Ambient Temperature	-10°C~50°C/14°F~122°F
Round-Trip Efficiency	⩾95%
Cycle Life [3]	⩾6000Cycles
Warranty	10 Years

[3]: Test conditions 0.2C Charging/Discharging, @25°C(77°F), 90% DoD.

Add-on Functionalities

WIFI Connection	Remote monitoring and upgrade
Heating Pad	Temperature Rise: 10°C/ h/18°F/h Operation Temperature: -18°C~10°C/-0.4°F~50°F
Scalability	16 pcs (81.92kWh) in a group 6 groups (491.52kWh) in a system w / a Hub

Certifications (On-going)

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

Pi LV1

Features

Safe
- LFP Chemistry, Field-Proven BMS Integrated in Individual Module, DC Breaker & Fuse Adapted

Powerful
- Up to 10.24kW Continuous Output

Plug-and-play (15-min installation)
- Quick Connectors, Hand-wiring Free

Scalable on Demand
- Flexible Configuration from 5.12 to 30.72 kWh per Stack, Up to 4 Stacks

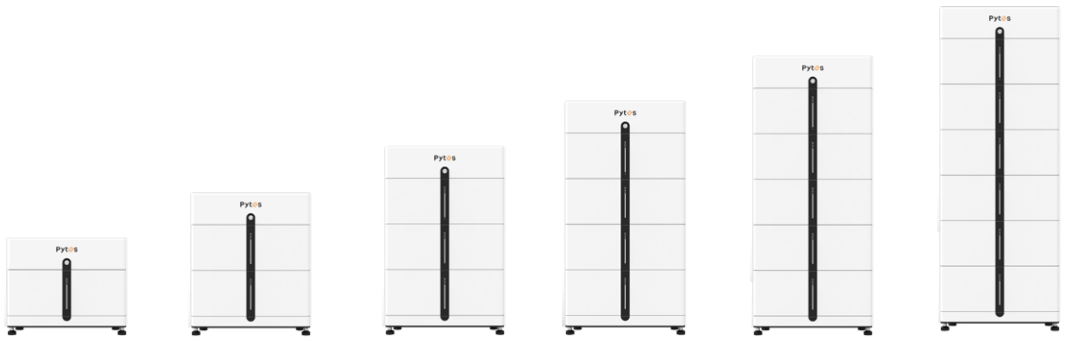
Outdoor Rated Enclosure
- Water & Dust proof for Both Indoor and Outdoor

Smart
- Remote Upgrading & Monitoring

Pi LV1

Battery Module Unit:

Cell Type	LFP
Nominal Energy	5.12kWh
Nominal Voltage	51.2V
Voltage Range	47.5V~56.8V
Nominal Capacity	100Ah
Recommended Continuous Discharge Current	50A
Recommended Continuous Charge Current	50A
Certifications	CE, IEC62619, UL1973, UN38.3, UL9540, UL9540A



Model	1	2	3	4	5	6
Cell Type	LFP					
Nominal Voltage	51.2V					
Voltage Range	47.5V~56.8V					
Nominal Capacity	100Ah					
Nominal Energy	5.12kWh	10.24kWh	15.36 kWh	20.48 kWh	25.6 kWh	30.72 kWh
Recommended Power	2.56kW	5.12kW	7.68kW	10.24kW	10.24kW	10.24kW
Dimensions (L x W x H) (mm/inch)	681 x 242 x 540 26.8 x 9.5 x 21.3	681 x 242 x 800 26.8 x 9.5 x 31.5	681 x 242 x 1060 26.8 x 9.5 x 41.7	681 x 242 x 1320 26.8 x 9.5 x 52.0	681 x 242 x 1580 26.8 x 9.5 x 62.2	681 x 242 x 1840 26.8 x 9.5 x 72.4
Weight(kg/lbs)	71.7/158.1	125/275.6	178.3/393.1	231.6/510.6	284.9/628.1	338.2/745.6
Efficiency	⩾95%					
Communication	CAN, RS485					
Cycle Life	⩾6000Cycles					
Protection level	IP55					
Ambient Temperature	-10°C~55°C / 14°F~131°F					
Storage Temperature	Within 1 month: -20°C~50°C / -4°F~122°F 1~3 months: -10°C~40°C /14°F~104°F 3~12 months: 0°C~30°C /32°F~86°F					

[1] : 4 models parallel in Pi LV1 is Recommended. [2]: @25°C, 0.5C Charging/Discharging, 90% DoD

E-BOX 48100R

Features

Scalable
- From 5.12kWh to 491.52kWh

Long-lasting
- ≥6000Cycles @ 90%DoD

Safe & Reliable
- Tier 1 Automotive Grade A LiFePO4 cells
- Self-designed & Field-proven BMS

Compact, Flexible and Easy Install

Wide Compatibility

10 Years Warranty

CE CLEAN ENERGY COUNCIL UN38.3 SGS TUV CEC SGIP

E-BOX 48100R Specs

Electrical

Nominal Voltage	51.2V
Voltage Range	47.5V~57.6V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Recommended Charge/ Discharge Current	50A (2.56kW dc)
Maximum Charge/ Discharge Current	50A (2.56kW dc)
Peak Discharge Current	102A (5.22kW@15s)

General

Chemistry	LFP
Communication Protocol	CAN/RS485
Dimensions (L x W x H)	440 x 620 x 117mm (2.6U) / 17.3 x 24.4 x 4.6 inch (2.6U)
Weight	51 kg / 112.5 lbs
Ambient Temperature	-10°C~50°C / 14°F~122°F
Round-Trip Efficiency	⩾95%
Cycle Life*	⩾6000Cycles
Warranty	10 Years

* Test Condition 0.5C, 25°C @90%DoD

Certifications

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

E-BOX 4850

Features

Scalable
- From 2.4kWh to 115.2kWh

Long-lasting
- ≥6000Cycles @ 80%DoD

Safe & Reliable
- Tier 1 Automotive Grade A LiFePO4 cells
- Self-designed & Field-proven BMS

Compact, Flexible and Easy Install

Wide Compatibility

10 Years Warranty

UN38.3

E-BOX 4850 Specs

Electrical

Nominal Voltage	48V
Voltage Range	45V~54V
Nominal Capacity	50Ah
Nominal Energy	2.4kWh
Recommended Charge/ Discharge Current	25A
Maximum Charge/ Discharge Current	50A

General

Chemistry	LFP
Communication Protocol	RS485/CAN
Dimensions (L x W x H)	440 x 410 x 89 mm（2U）/ 17.3 x 16.1 x 3.5 inch
Weight	25 kg / 55.1 lbs
Ambient Temperature	-10°C~50°C
Round-Trip Efficiency	⩾95%
Cycle Life*	⩾6000Cycles
Warranty	10 Years
Connect style	Parallel
Storage Temperature	Within 1month: -20~55°C, 1-3months: 0~35°C, 3-12months: 20~25°C

* Test Condition 0.5C, 25°C @80%DoD

Certifications

UN38.3, CE, IEC62619, KC

E-BOX 4850G

Features

Scalable
- From 2.4kWh to 115.2kWh

Long-lasting
- ≥6000Cycles @ 80%DoD

Safe & Reliable
- Tier 1 Automotive Grade A LiFePO4 cells
- Self-designed & Field-proven BMS

Compact, Flexible and Easy Install

Wide Compatibility

10 Years Warranty

UN38.3

E-BOX 4850G Specs

Electrical

Nominal Voltage	48V
Voltage Range	45V~54V
Nominal Capacity	50Ah
Nominal Energy	2.4kWh
Recommended Charge/ Discharge Current	25A
Maximum Charge/ Discharge Current	50A

General

Chemistry	LFP
Communication Protocol	CAN/RS485
Dimensions (L x W x H)	440 x 450 x 80 mm / 17.3 x 17.7 x 3.2 inch
Weight	23.5 kg / 51.8 lbs
Ambient Temperature	Charge:0°C~45°C Discharge:-10°C~50°C
Round-Trip Efficiency	⩾95%
Cycle Life*	⩾6000Cycles
Warranty	10 Years
Connect style	Parallel
Storage Temperature	Within 1month: -20~45°C, 1-3months: -20~35°C, 3-12months: 20~25°C

* Test Condition 0.5C, 25°C @80%DoD

Certifications

UN38.3, CE, IEC62619, KC