

Pytes

E-BOX 48100R



E-Box 48100R Specifications

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)	17.32*24.41*4.61inch/440*620*117mm(2.6U)
Weight	112.5lbs/51kg
Operating Temperature	Charge:32°F~113°F/0°C~45°C Discharge:14°F~122°F/-10°C~50°C
Round-Trip Efficiency	≥95%
Cycle Life	≥6000 cycles
Altitude	<13123.35ft/4000m
Warranty	10 Years
Scalability	16 pcs (81.92kWh) in a group 6 groups (491.52kWh) in a system w/a Hub

Certifications

UL 9540 Ed.2 (2020), UL 9540A, UL 1973, CEC, SGIP

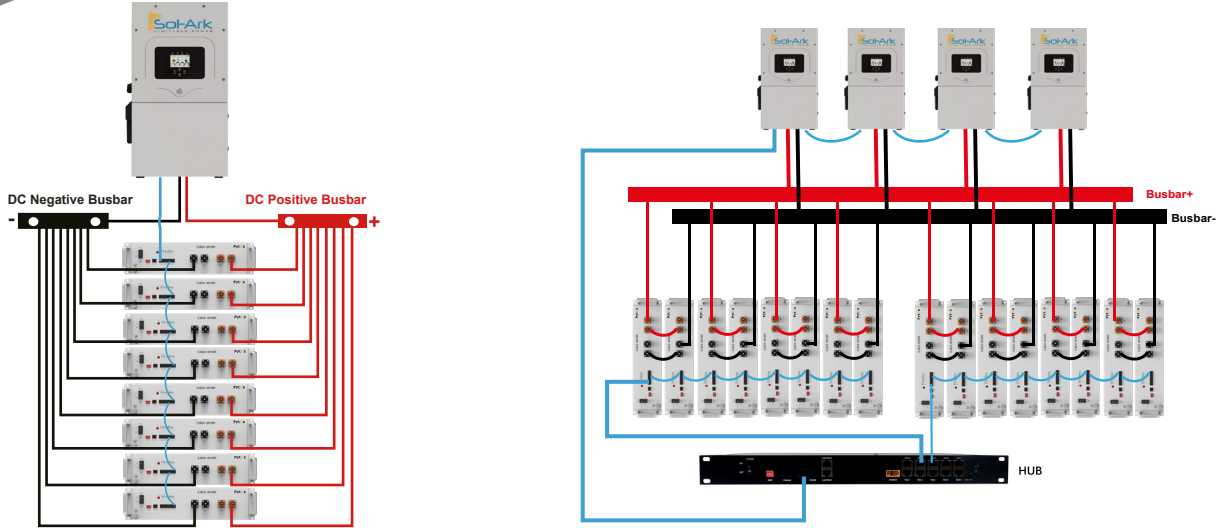
Inverter Compatibility List

Main Inverter Partner





Battery Connection Diagram Guide



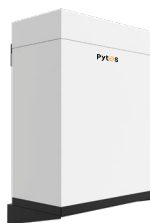
E-Box 48100R Enclosures



F. & B. Bracket
hold up to 1*E-BOX 48100R, Stack up to 4*E-BOX 48100R



R-Bracket
hold up to 8*E-BOX 48100R



R-BOX
hold up to 2*E-BOX 48100R



R-BOX-NEMA3
hold up to 2*E-BOX 48100R



R-BOX-OC
hold up to 4*E-BOX 48100R



Forest RB Plus
hold up to 6*E-BOX 48100R

Case Study



E-BOX48100R

- LifePO4
- 100Ah / 5.12kWh
- Dis/Charge 50A
- 6000 Cycles
- 10 Year Warranty
- DSS SGS NA
- IEC 62919
- MSDS 2022
- UL1973 Test Report
- UL1973-Cert
- UL954A
- UN38.3



48V Server Rack Battery



PYTES (USA) ENERGY, INC

Address: 13921 Senlac Dr, Farmers Branch, TX 75234
Site: www.pytesusa.com
Email: pytesusa@pytesgroup.com



LinkedIn



Facebook



YouTube



www.pytesusa.com
Pytes