

I-BOX 48100R



I-BOX 48100R Specifications

Electrical

Nominal Voltage	51.2V
Voltage Range	47.5V~57.6V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Recommended Charge/	50A(2.56kW DC)
Discharge Current	
Maximum Charge/	50A(2.56kW DC)
Discharge Current	
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

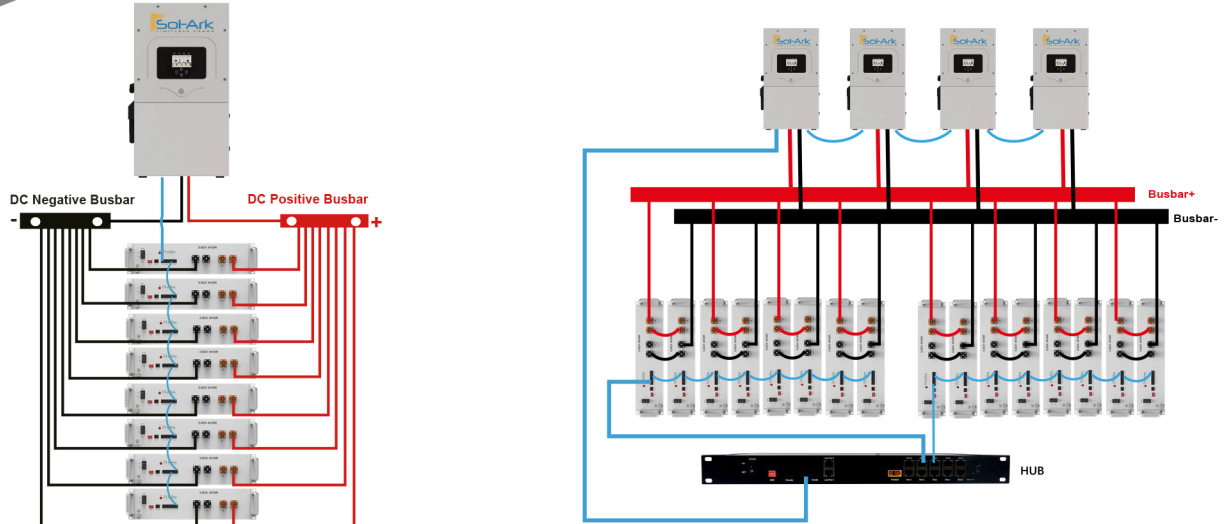
UL 9540 Ed.2 (2020), UL 9540A, UL 1973, CEC, SGIP, CE, IEC

Inverter Compatibility List





Battery Connection Diagram Guide



I-BOX 48100R Enclosures



F. & B. Bracket

hold up to 1" I-BOX 48100R, Stack up to 4" I-BOX 48100R



R-Bracket

hold up to 6" I-BOX 48100R



R-BOX

hold up to 2" I-BOX 48100R



R-BOX-NEMA3

hold up to 2" I-BOX 48100R



R-BOX-OC

hold up to 4" I-BOX 48100R



Forest RB Plus

hold up to 6" I-BOX 48100R

Case Study

