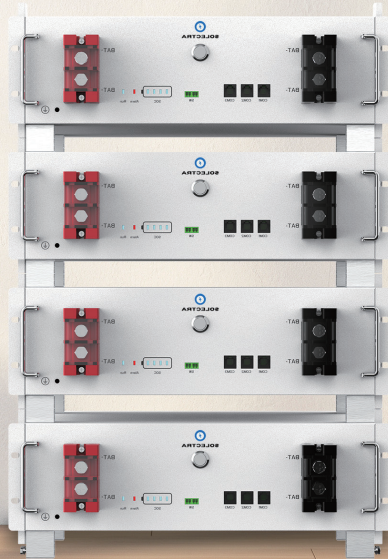




SOLECTRA

Solectra

Solectra adopts a flexible modular design, which can be expanded from 5 kWh of a single module to 120 kWh of 24 battery modules.



Flexible application

- Optimized for stack and build-in cabinet installation



Easy to install

- Lug connection
- Compact and light, 2 persons installation



Battery APP (Optional)

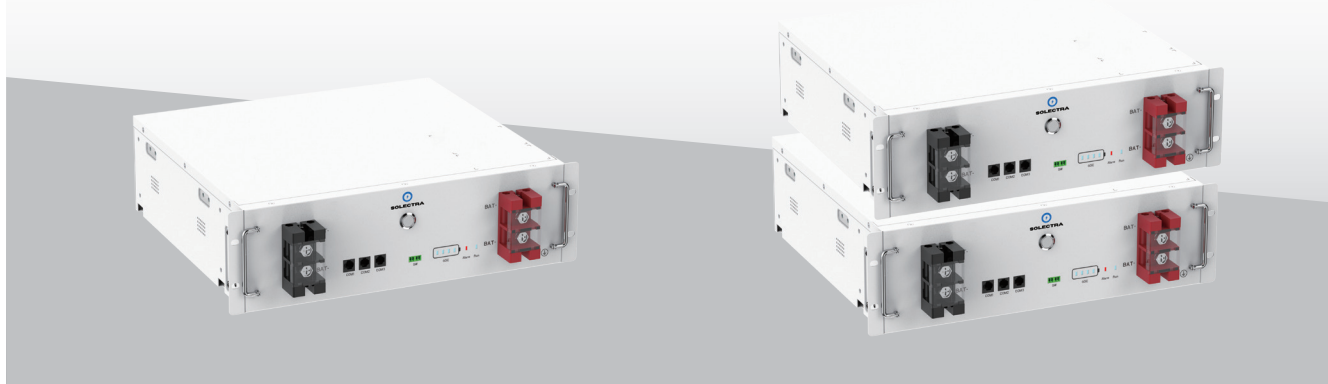
- Real time monitoring
- Remote maintenance and upgrades (optional)



Solectra

Model	Solectra-5	Solectra-10	Solectra-15	Solectra-20
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy (90% DOD)	4.5kWh	9kWh	13.5kWh	18kWh
Rated voltage	51.2V	51.2V	51.2V	51.2V
Charge/discharge cut off voltage	44.8V~55.2V	44.8V~55.2V	44.8V~55.2V	44.8V~55.2V
Roundtrip efficiency	>98%	>98%	>98%	>98%
Rated charge/discharge current	50A/50A	100A/100A	150A/150A	200A/200A
Max. charge/discharge current	100A/100A	180A/180A	200A/200A	200A/200A
Communication interface	CAN 2.0/RS485			
Scalability	Max. 24 in parallel, Max. 120 kWh			

Operating conditions	
Operating temperature	32°F to 122°F (0°C to 50°C)
Dimensions (W*H*D, mm)	482*135*433/PACK
Weight	45kg/90kg/135kg/180kg
Enclosure protection rating	IP20
Warranty	5 years*
Certifications	IEC62619/CE/UN38.3
* 5 years under room temperature less than 45°C at 90% DOD, 6000 cycles of 60% EOL under 0.5C charge and discharge.	





SOLECTRA

Wall-mounted battery - Rack mount lithium battery

4.8KWH 48V HOME ENERGY STORAGE SYSTEM



Features:

HIGHER EFFICIENCY COMES WITH HIGHER PERFORMANCE



6000 cycles at 80% DOD



1C/1C continual charge and discharge



Low voltage safety connection



5 years standard warranty



Superior LiFePO4 safety performance

Compatible with inverter brands

Battery BMS is freely compatible with multiple inverter brands in the market.





Wall-mounted battery - Rack mount lithium battery



Parameters

Product Model	Rack-mounted battery	Wall-mounted battery
Nominal Energy	4.8KWh	4.8KWh
Nominal Voltage	48V	48V
Nominal Capacity	100Ah	100Ah
Cell Type	LFP	LFP
Standard Charge Voltage	52.5V	52.5V
Max Charge Current	100A	100A
Discharge Cut-Off Voltage	37.5V(adjustable)	37.5V(adjustable)
Max Discharge Current	100A	100A
Parallel Function	Support 10 Units in Parallel	Support 10 Units in Parallel
Warranty	5 years	5 years
Cycle Life *	≥6000 Cycles(80%DOD)	≥6000 Cycles(80%DOD)
Dimensions	440*440*132mm	480*650*180mm
Weight	47.5Kg	50Kg
Wi-Fi Function	NO	YES
Installation method	(Rack mounted)	(Wall mounted)
Charge temperature range	0~65°C	
Discharge temperature range	-20~65°C	
Certification	Cell: ROHS / MSDS / UN38.3 Pack:MSDS / UN38.3	

*Test Condition:80%DOD, 0.2C charge & discharge @25°C