

Technical parameters

48.45V170AH

Rack-mounted (low-voltage)
Household energy storage Sodium ion battery



- Industrial standard rack installation design: suitable for 19 inch cabinets, suitable for professional use or data center scenarios
- Use Sodium ion battery for safe use and long lifespan
- Large capacity standalone: The standalone design can fully meet the high energy consumption of households.
- Stable and durable: low gravity structure, earthquake resistance, and anti tipping.
- Plug and play: No installation or debugging required, easy to place and use.
- Up to 20 parallel connections can be achieved, with flexible capacity expansion
- Compatible with multiple brands of inverters simultaneously, providing more choices
- LED displays voltage, current, and temperature, with a user-friendly interface that is easy for users to query
- Built in BMS provides multiple protection functions



Safe and reliable



Easy to install



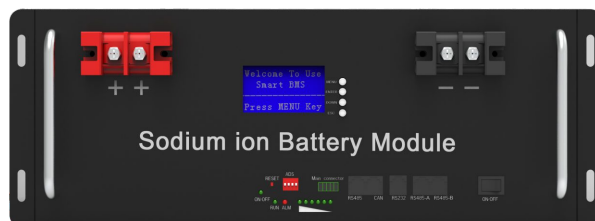
High efficiency



Scalable

Application Scenarios

1. Household energy storage
2. Off grid backup for photovoltaics
3. Off shore backup
4. Base station



Specification

Model	ZVNRL48.45-170
Model	8.2365kwh(48.45V170AH)
Energy	8.2365KWh
Rated Capacity	170Ah
Nominal Voltage	48.45V
Float Voltage	59.5V
Charging Limited Voltage	59V
Discharge Ending Voltage	34V
Max. Charge/Discharge Current	150A
MAX C Rating	1C
Dimensions(W*D*H)mm(inches)	750*440*250mm
Weight	115kg
Max number of parallel connections	20
Protocol	RS485/RS232/CAN
Compatible Inverters	PYLON, Sacolar, Deye, Growatt, Sofar, Voltronic, LUX, Schneider, Afore, Sinexcel, Sorotec, GoodWe, KSTAR, Srne, Must, Megarevo, Sol-Ark, INVT, Aiswei, TBB, SAKO, Solis, SMA, Victron, SMK, BlueSun
Display	With display screen
Design life	More than 15 years
Operating Temperature	Charging: -20~+60℃ Discharging: -30~+60℃ Storage:Recommend(25±5)℃
Cycle Life	More than 8000 cycles @ 90% DOD @25
IP Class	IP21
Warranty	5years
Self Discharge	≤3% Per Month
Certifications	CE, UN38.3, MSDS
Function / Can be added)	WIFI、Touch Screen