

AIO-V Series Home Energy Storage System



Features

- Vertical industry integration ensures more than >8000 cycles with 80% DoD.
- Integrated inverter design, easy to use and quick to install. Small size, minimizing installation time and cost Compact and stylish design suitable for your sweet home environment.
- The inverter has a variety of working modes. Whether it is used for main power supply in the area without electricity or backup power supply in the area with unstable power to deal with sudden power failure, the system can respond flexibly.
- A variety of charging methods, which can be charged with photovoltaic or commercial power, or both at the same time



AIO-V Series Home Energy Storage System



Specifications

Inverter module	INV10KLP1
Output	5120Wh
Rated output power	10,000W
Maximum peak power	20,000VA
Motor load capacity	6HP
Wave form	PSW (Pure Sine Wave)
Rated output voltage	230V ac (single phase)
Maximum parallel capacity	2 units (up to 20KW)
Output mode	Off-grid/Hybrid
Solar input	
Types of solar charging	MPPT
Maximum solar array power	5,500W + 5,500W
Maximum solar open-circuit voltage	500Vdc + 500Vdc
Grid/generator inputs	
Input voltage range	90~275Vac
Bypass overload current	63A
Battery charging	
Maximum solar charging current	200A
Maximum grid/generator charging current	120A
Routine	
Dimensions (LxWxHmm)	750x470x250
Weight (Kg)	~32

Battery module	ZECO-AIOV13B	
Battery power	13.44KWh	26.88KWH
Rated voltage	48V	48V
Rated capacity	280Ah	560Ah
Battery type	Square LFP	
Cycle life	≥6000 (80%DOD, 0.5C, 25°C)	
Maximum parallel capacity	4 units (max. 53.76KWh)	
Dimensions (LxWxHmm)	750x470x250	750*940*250
Weight (Kg)	~105Kg	120Kg
Standard	UN38.3, MSDS, IEC62619:2017,EN IEC61000-3-2, EN IEC61000-6-1,RoHS	



High cycle life

>8000 cycles @80% DoD for effectively lower total of ownership cost



Longer service life

Low maintenance batteries with stable chemistry.



Built in circuit protection

Battery Management System (BMS) is incorporated against abuse.



Better storage

Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



Quickly recharge

Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +45°C.



Lightweight

Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.



Function

Support parallel operation