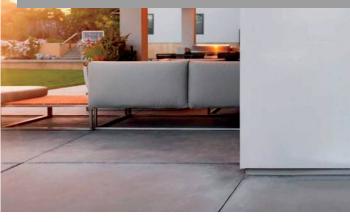
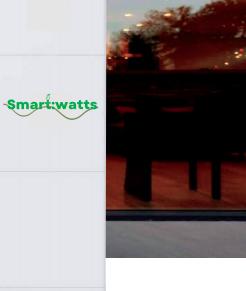
## All-in-one Residential Energy Storage System-S2







## Features

- Vertical industry integration ensures more than 5000 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
- You can use 4 batteries in parallel at the same time, and can provide a maximum of 20kwh for your use.



High cycle life 4000 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.



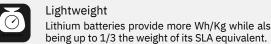
Better storage Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.

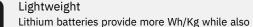


Quickly recharge Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



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







Function Support parallel operation

## 51.2V Energy Storage LiFePO4 Battery-S2

## Specifications

BATTERY TECHNICAL SPECIFICATION	ZECO-AI048V05-S2	ZECO-AIO48V05-S2	ZECO-AI048V05-S2	ZECO-AI048V05-S2
attery model	ZECO-AI048V05-S2			
umber of batteries	1	2	1	2
attery Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Battery Capacity	100AH	200AH	300AH	400AH
eight	80kg	130kg	190kg	230kg
mension L× D× H	1190x600x184mm	1800x600x184mm	1800x600x184mm 690x600x184mm	1800x600x184mm 1300x600x184mm
tery Type	LiFePO4			
attery Rated Voltage	51.2V			
attery Working Voltage Range	22.4 ~ 28.8V 150A			
aximum Charging Current	1504			
1aximum Discharging Current	80%			
DOD	5000			
esigned Life-span				
/ CHARGE				
lar Charge Type		M	IPPT	
aximum Output Power	4000W			
' Charging Current Range	0~80A			
Operating Voltage Range	120~500V			
PPT Voltage Range	120~450V			
CHARGE				
ximum Charge Power	22	40W	11	20W
Charging Current Range	0		0	
ted Input Voltage	~80A		~40A 110/120Vac	
put Voltage Range	220/230Vac			
COUTPUT	90 90 ~280Vac ~140Vac			
ited Output Power		25	0014	
aximum Output Current	3500W			
equency	30A		40A	
erload Current	50Hz		60Hz 45A	
	3	5A	45	A
TTERY INVERTER OUTPUT				
ted Output Power	3500W			
aximum Peak Power	6000			
wer Factor			1	
ted Output Voltage (Vac)	230Vac		120Vac	
equency	50Hz			DHz
to Switch Period	<15ms			
D		<	3%	
NERAL DATA				
mmunication			CAN/WIFI	
rage time / temperature	6 months @25℃;3 months @35℃;1 months @45℃; 0			
arging temperature range		~	0 45℃	
charging temperature range	-10			
eration Humidity	~45°C			
ominal Operation Altitude	5% ~ 85%			
ooling Mode	~ 85% <2000m			
ise	Force-Air Cooling			
ress Protection Rating	60dB(A)			
commended Operation Environment	IP20 Indoor			
stallation Method	Vertical			
tification	UN38.3,MSDS,EN55032,EN55024,EN61000-3-2,EN61000-3-3			

