

Home Energy Storage System

All-in-one series

CONSNANT

Constant Electric Power
www.consnant.com



Home Energy system



Product introduction

- Pure sine wave output
- Self-consumption and Feed-back to the Grid
- Programmable supply priority for PV, battery or Grid
- User-adjustable battery charging current
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Built-in timer for various mode of on/off operation
- Multiple communication for USB, RS232, Modbus, SNMP, GPRS and Wi-Fi
- Monitoring software for real-time status display and control
- Enhance AC/Solar charger to 100A
- Scalable Li-Ion battery expansion



PRODUCT PARAMETERS

DC input		Battery Box	
Max.PV input power	6500W	Number of battery modules	2
Max.PV input Voltage	370V	Storage capacity	15KWH
Startup voltage	150V	Nominal voltage	51.2V
MPPT voltage range	120-450V	Battery voltage range	42-57V
No.of MPPT	1	Max discharge current	150A
Max. number of PV strings per MPPT	1	Battery type	LFP
AC input and output		Battery brand	/
Norminal AC input power	5000W	Cooling	/
Norminal AC output power	5000W	Protect	BMS inside
Max.AC output Apparent power	6000VA	Battery Module	
Max.AC output current	/	Module capacity	7.5KWh
Norminal output voltage	220VAC	Module dimensions (W×H×D)	T214*W550*H621mm
AC voltage range	max240VAC	Module weight	/
Norminal output frequency	50/60Hz	General Specification	
Ouput power factor	0.8leading -0.8lagging	Enviornmental protection rate	IP21
Output THDi(@Norminal output)	<3%	Ambient temperature rate	-25~45°C
Battery input and output		Communication	4G/WIFI
Nominal battery voltage	51.2V	Remote access	APP/Website
Battery voltage range	42-57V	Warrant inverter	2years
Max.charging current	80A	Warrant battery	5years
Max.discharging current	150A		
Dimension(W×H×D)			

System block diagram

