

# SIPT Energy Storage System

Europe/US/Split phase model

5kW/6kW 5kWh



110/220V AC output



AC/Solar Charge



Lithium iron phosphate battery pack



Pure sine wave output



## Product Introduction

SIPT energy storage system is one of a series of industrial energy storage products designed and developed independently. Long cycle life, high safety standard BMS software protection, sturdy shell, beautiful appearance, easy installation and use, etc. Widely used in various energy storage systems.

## Product features

- 1 The module is non-toxic, non-polluting and environmentally friendly.
- 2 Cathode material is made from LiFePO4 with safety performance and long cycle life.
- 3 Battery management system (BMS) has protection functions including over- discharge, over-charge, over-current and high/low temperature.
- 4 The system can automatically manage charge and discharge state and balance voltage of each cell.
- 5 Adopted self-cooling mode rapidly reduced system entire noise.
- 6 The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.
- 7 Multi-functional LED intelligent digital screen display

## Product Parameters

Model	SIPT-U 5KW 5kWh	SIPT-I 6KW 5kWh	SIPT-E 5KW 5kWh
<b>Battery parameters</b>			
Module model	51.2V100Ah	51.2V100Ah	51.2V100Ah
Battery type	Lifepo4	Lifepo4	Lifepo4
Nominal capacity	5.12kWh	5.12kWh	5.12kWh
Nominal voltage	51.2V	51.2V	51.2V
Working voltage	43.2-58.4V	43.2-58.4V	43.2-58.4V
<b>PV input</b>			
PV array mppt voltage range	120V-500V	12-30V/30V-150V	120V-500V
Maximum solar charge Current	100A	10A/30A	100A
<b>AC input</b>			
Voltage	120VAC	120VAC/240VAC	220VAC
AC input current	100A	15A/10A	100A
<b>AC output</b>			
AC output	120V 41.6A	120V20A/120V30A/240V30A	220V 22.7A
<b>DC output</b>			
DC output	/	12V30A/5521x2(12V10A)	12V30A/5521x2(12V10A)
Type-c	/	PD 100Wx1/ 30Wx1	PD 100Wx1/ 30Wx1
USB	/	QC3.0	QC3.0
<b>Overall parameters</b>			
Communication	Rs485,WIFI,RS232	RS485,BT,RS232	RS485,WIFI,RS232
Storage temperature	-20°C~55°C	-20°C~55°C	-20°C~55°C
Working humidity	< 95%(RH)	< 95%(RH)	< 95%(RH)
Working temperature	-10°C~40°C	-10°C~40°C	-10°C~40°C
Working altitude	≤2000m	≤2000m	≤2000m
Cooling method	fan	fan	fan
Protective class	IP20	IP20	IP20
Weight	80kg	80kg	82kg
Dimension	550x285(315)x850(995)mm	550x285(315)x850(995)mm	590x290(320)x1000(1160)mm
Design life	10 years(25°C)	10 years(25°C)	10 years(25°C)
Cycle life	>6000(25°C),80%DOD	>6000(25°C),80%DOD	>6000(25°C),80%DOD