

SKYWORTH PV-Tech

2021



CARBON-FREE FUTURE



Designing Engineering Procurement Construction and Operation
DEPCO

Shenzhen Skyworth Photovoltaic Technology Co.,Ltd

Room 1317, Building 2#B, Skyworth Innovation Valley, TangTou Road No.1, ShiYan ,Bao'An, ShenZhen, China

www.skyworthpv.com www.skyworth-pv.com

(Tel) : 010-86226096 (Email): hwyx@skyworth.com



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Shenzhen Skyworth Photovoltaic Technology Co., Ltd.

SUBSIDIARY OF SKYWORTH GROUP

Skyworth Group founded in 1988, mainly engaged in multimedia, smart appliances, smart system and modern service. The Group has two listed companies: Skyworth Group (00751.HK), Skyworth Digital (00810.SZ).

Shenzhen Skyworth Photovoltaic Technology Co.,Ltd. is a new energy IOT company integrating development, design, construction, operation, management and consultant services. We are committed to building a smart clean energy asset construction and management platform. We always insist on offering innovative residential solar power solution, creating smart green energy system for your home, and strive to make positive contributions to reach goal of global zero carbon.





iStar-SE
Energy Storage System

Maximize Your Solar Investment

Enjoy instant emergency backup power and greater savings year after year. Your surplus solar energy for use when the power goes out or in the evenings when rates are highest.

Smart Energy Control

Daily automatic energy control and you can set your own power preferences, monitor system operation and savings with intuitive software, and ensure seamless transfers from grid power to battery power and back.

Integrated "2 in 1" Design

Unique Integrated Inverter and Storage system design for easy installation, operation, maintenance and facilitate the future capacity expansion as an energy back up unit.

Extra Safety and Warranty

Water and dust proof for outdoor environment and high quality battery ensure 10000 times recharging recycle.

| Specification | | | |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------|----------|
| Items | SP-3600 | SP--5000 | SP--6000 |
| Battery Parameters | | | |
| Battery type | LiFePO4 | | |
| Battery capacity | 8.2KWh | | |
| Scalable capacity range | 8.2-32.8KWh(95% DOD) | | |
| Voltage range | 240--288V | | |
| Operating temperature range | -10 C ~50 C * | | |
| Performance warranty | with retention of 80% over 10000 cycles (90% DOD) * * | | |
| * Temperature is less than 0°C or more than 40°C, battery performance will decrease * * Under certain test conditions | | | |
| PV Parameters | | | |
| Max.PV input power | 6000W | 7500W | 9000W |
| Max.PV input voltage | 580Vdc | | |
| MPPT voltage range | 100Vdc~550Vdc | | |
| Max.PV input power | 15Adcx2 | | |
| On-grid Parameters | | | |
| Rated output power | 3600W | 5000W | 6000W |
| Rated input power | 7200W | 10000W | 12000W |
| Rated output voltage | 220/230/240Vac | | |
| Rated output current | 15.7A | 21.7A | 26.1A |
| Rated input current | 31.4A | 43.4A | 52.2A |
| Back up Parameters | | | |
| Output frequency | 50(60)Hz | | |
| Output power | 3600W | 5000W | 6000W |
| Transfer time | <10ms | | |
| Voltage harmonic | <2%(linear load) | | |
| Charge-Discharge Parameters | | | |
| Rated charging voltage | 85Vdc~450Vdc | | |
| Max charging power | 3600W | 5000W | 6000W |
| Max charging current | 32A(settable) | | |
| Max discharging power | 5400W | 7500W | 7800W |
| System Parameters | | | |
| IP grade | IP65 | | |
| Operating temperature range | -25 C ~+60 C | | |
| Relative humidity | 0~100%,non condensation | | |
| Altitude | 3000m | | |
| EMC | EN61000-6-3, EN61000-6-2 | | |
| Safety | IEC62109-1, IEC62109-2, AS62040-1-1 | | |
| Communication | RS485/WIFI/Meter | | |
| Dimensions(WxHxD) | 58x112x23CM | | |
| Standard warranty | 5 years | | |

