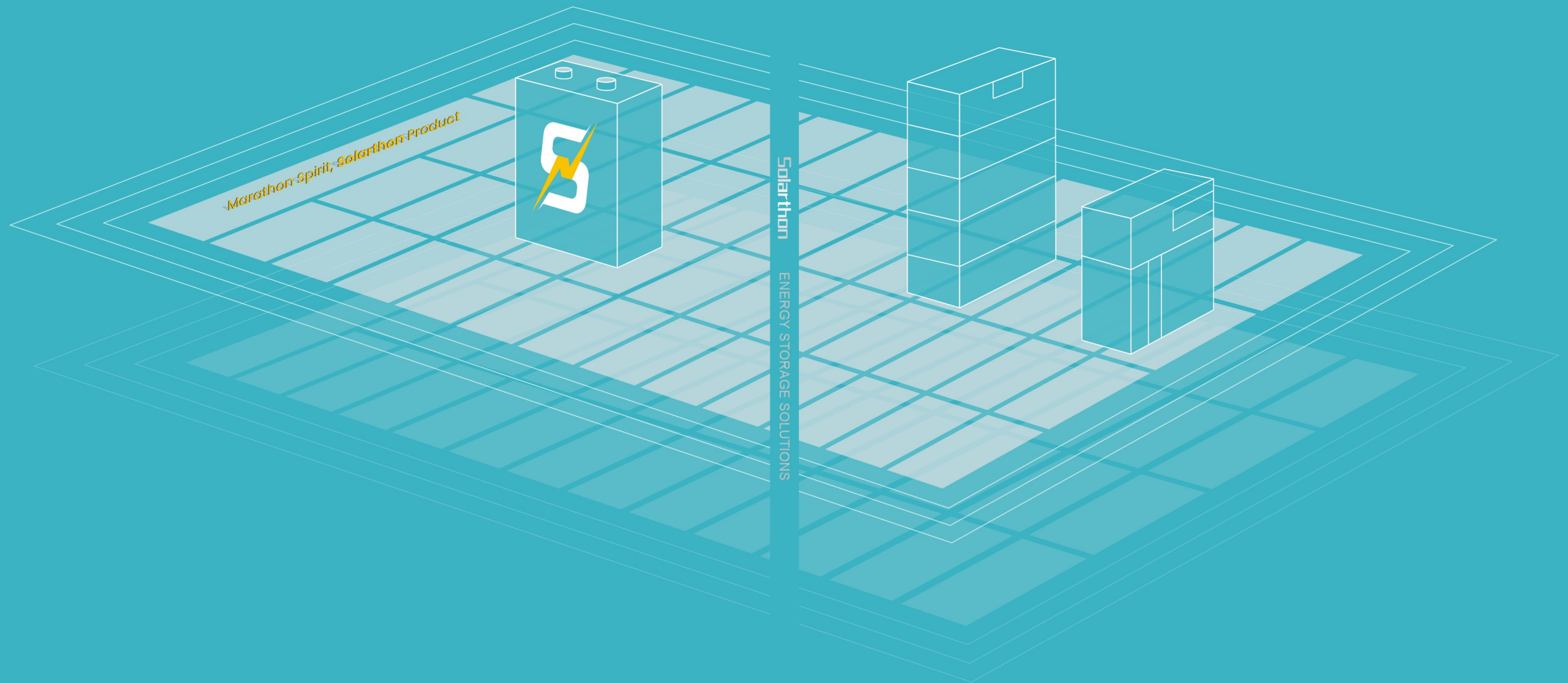




BATTERY SOLAR INVERTER ENERGY STORAGE SOLUTIONS

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03

Solar Inverter

* ONE-STOP SOLAR ENERGY SYSTEM SOLUTION *

Hybrid Solar Inverter

3.0KW | 4.2KW | 6.2KW



Product Introduction

The Solarthon Hybrid Solar Inverter brings power conversion, energy charging, and intelligent control together in one streamlined solution. Designed for modern energy systems, it integrates inverter, solar charger, and battery charger functions to deliver stable, efficient, and uninterrupted power. With a built-in LCD display and user-friendly control system, it offers greater visibility and flexibility, enabling users to easily manage charging settings, prioritize energy sources, and adapt to different power conditions.

Product Parameters

Model	THON-3.0KW-01	THON-4.2KW-01	THON-6.2KW-01
Battery Voltage	25.6VDC	25.6VDC	51.2VDC
Full Load	3000W	4200W	6200W
Nominal Operating Voltage	230VDC	240VDC	240VDC
Vmax PV	230Vdc	500Vdc	500Vdc
PV Input Voltage Range	60-450VDC	60-450VDC	60-450VDC
I _{max} PV	18A	18A	22A
Full Load MPPT Range	240-450VDC	240-450VDC	240-450VDC
Maximum PV Input Power	1500W	4200W	6200W
Nominal Output Voltage	220/230/240VAC 50/60Hz	220/230/240VAC 50/60Hz	220/230/240VAC 50/60Hz
Nominal Output Current	18.2A	18.2A	27A
Nominal AC Input Voltage	230VAC, 50/60Hz	230VAC, 50/60Hz	230VAC, 50/60Hz
Maximum AC Input Current	30A	30A	40A
Maximum AC Charging Current	40A	100A	100A
Communication	RS232/GPRS/WIFI/LITHIUM BATTERY		
Product Size	273x357x95mm	443*359*113mm	443*359*113mm
Net Weight	3.6kg	8.8kg	8.8kg
Warranty	3 Years	3 Years	3 Years

Hybrid Solar Inverter

8KW | 10KW | 11KW | 12KW



Product Introduction

The Solarthon Hybrid Solar Inverter brings power conversion, energy charging, and intelligent control together in one streamlined solution. Designed for modern energy systems, it integrates inverter, solar charger, and battery charger functions to deliver stable, efficient, and uninterrupted power. With a built-in LCD display and user-friendly control system, it offers greater visibility and flexibility, enabling users to easily manage charging settings, prioritize energy sources, and adapt to different power conditions.

Product Parameters

Model	THON-8KW-02P	THON-10KW-01P	THON-11KW-01P	THON-12KW-01P
Battery Voltage	51.2VDC	51.2VDC	51.2VDC	51.2VDC
Rated Power	10000VA/8000W	10000VA/10000W	11000VA/11000W	12000VA/12000W
Rated AC Output Voltage	230VAC	230VAC	230VAC	230VAC
Rated AC Output Current	35A	43.5A	48A	52A
Battery Input Voltage Range	40~60VDC	40~60VDC	40~60VDC	40~60VDC
Maximum Battery Current	183A	230A	250A	260A
Rated AC Input Voltage Range	170-280VAC, 50Hz	170-282VAC, 50/60Hz	170-280VAC, 50Hz	170-282VAC, 50/60Hz
Maximum AC Charging Current	150A	150A	150A	150A
Maximum PV Input Power	5500W+5500W	5500W+5500W	5500W+5500W	5500W+5500W
MPPT Input Voltage Range	120-450VDC	120-450VDC	120-450VDC	120-450VDC
Maximum PV Input Current	22A+22A	22A+22A	22A+22A	22A+22A
Maximum PV Charge Current	150A	150A	150A	150A
IP Grade	IP20	IP20	IP20	IP20
Max. Number Of Parallel	6 sets	6 sets	6 sets	6 sets
Product Size	576*388.6*131mm	576*388.6*131mm	576*388.6*131mm	651.9*489*137mm
Weight	18.1kg	18.1kg	18.1kg	23.4kg
Warranty	3 Years	3 Years	3 Years	3 Years