

## Haotech Patented Solar Inverter (HT-SCI02-PLUS series)- 2022

The HT -SCI02 PLUS series all in one solar system is the perfect go-to solution for off-grid, backup power for homes, small business, and it also delivers a value added, easy to install system that provides efficient power globally for every need.

### Key Features:

- ◆ Integrates:
  - high efficiency pure sine wave inverter(PF=1);
  - wide PV input range(120Vdc--500Vdc)100A MPPT SCC;
  - intelligent 3 stage 80A AC battery charger.
- ◆ Surges to 2X continuous power for 5 seconds for motor loads.
- ◆ Intelligent functionality enables utility and solar input prioritization.
- ◆ Wide utility input range(90Vac--280Vac)for unreliable grid even in the most challenging environments.
- ◆ Field serviceable with replacement boards and spare parts.
- ◆ Monitor, troubleshoot, or communication with USB/RS232.
- ◆ System configures quickly into compact, wall-mounted system.



Model	SCI02-PLUS-3500	SCI02-PLUS-5500
<b>RATED POWER</b>	3500W	5500W
<b>Voltage</b>	230 VAC	
<b>Selectable Voltage Range</b>	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)	
<b>Frequency Range</b>	50 Hz/60 Hz (Auto sensing)	
<b>AC Voltage Regulation (Batt. Mode)</b>	230VAC ± 5%	
<b>Surge Power</b>	7000VA	11000VA
<b>Efficiency (Peak) PV to INV.</b>	97%	
<b>Efficiency (Peak) Battery to INV.</b>	94%	
<b>Transfer Time</b>	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
<b>Waveform</b>	Pure sine wave	
<b>Battery Voltage</b>	24 VDC	48 VDC
<b>Floating Charge Voltage</b>	27 VDC	54 VDC
<b>Overcharge Protection</b>	33 VDC	63 VDC
<b>Maximum PV Array Power</b>	5000 W	6000 W
<b>MPPT Range @ Operating Voltage</b>	120 ~ 500 VDC	
<b>Maximum PV Array Open Circuit Voltage</b>	500 VDC	
<b>Maximum Charging Current</b>	100A	
<b>Maximum Efficiency</b>	98%	
<b>Dimension, D x W x H (mm)</b>	100 x 300 x 440	
<b>Net Weight (kgs)</b>	9	10
<b>Communication interface</b>	RS232/WIFI	
<b>Humidity</b>	5% to 95% Relative Humidity(Non-condensing)	
<b>Operating Temperature</b>	0°C - 55°C	
<b>Storage Temperature</b>	-15°C 60°C	