



## HSI-plus Series Mini solar Inverter 1KW~1.2KW Available

### Intelligent Control

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- Five smart control mode, auto switch for different demand
- RS485 communicational portal, for app & external screen control

### High efficiency

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- Inverter transfer efficiency up to 85%
- Inbuilt MPPT efficiency more than 99%

### Charger

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- Inbuilt 15A AC charger
- Inbuilt 30A/40A MPPT solar charger

Model	HSIplus-102	HSIplus-122
Rated power	1000W	1200W
Surge power	3000W	3600W

#### AC Input & Output

Voltage	220VAC
Selectable Voltage Range	165-275VAC
Frequency Range	50Hz/60Hz automatic recognition
AC Voltage Regulation (BATT. Mode)	(DC Batt.mode)220vac±3%
Transfer Time	≤5ms
Wave Form	Pure Sine Wave
Transformer type	Toroidal
Transfer efficiency	≥85%

#### Battery

Battery Voltage	12V/24V
Type	Gel/SLA/AGM/Water/Lithium(lifepo4) Battery
DC Charge Voltage	12~16VDC(12V)/24~32VDC(24V)
Overcharge Protection	Battery voltage $\geq 16$ VDC (12V) $\geq 32$ VDC (24V), stop charging after 60s alarm

#### Solar Charge & Ac Charger

Maximum PV Array Open Circuit Voltage	Max. 100V	
Maximum Pv Array Power	450W(12V)/900W(24V)	600W(12V)/1200W(24V)
Maximum Ac Charge Current	15A	
Maximum Solar Charge Current	30A MPPT	40A MPPT
Maximum Charging Current	45A	55A

#### Working mode

01 mode	AC mains priority
02 mode	ECO mode
03 mode	DC battery priority
04 mode	Unattended mode

#### Communication Port

Type	RS485, available for wifi box & external control screen
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#### Physical

Dimension, D*W*H(MM)	396*294*145	
G.W.(KGS)	10	11

#### Environment

Humidity	0~95% (NO CONDESNSATION)
Operating Temperature	0~55℃
Storage Temperature	0~55℃

\*Product Specifications Are Subject To Change Without Further Notice