

SIS-5K-H

Features

- Pure sine wave output
- Built-in MPPT solar charger
- Programmable supply priority for PV, Battery or Grid
- Detachable LCD panel
- Built-in WiFi for mobile monitoring (APP is available) Supports USB on-the-go function
- Reserve BMS communication Parallel operation up to 9 units



SIS-5K-H
Off Grid/Hybrid Inverter

Technical Specifications

Model	SIS-5K-H
Rated Output Power	5000W
Grid-tie Operation	
PV Input(DC)	
Nominal DC Voltage/Maximum DC Voltage	360V DC/450V DC
Start-up Voltage/Initial Feeding Voltage	120V DC/150V DC
MPPT Voltage Range	120V DC~430V DC
Number of MPPT Trackers/Maximun Input Current	1/23A
Grid Output (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184~264.5 VAC or 195.5~253 VAC (Selectable)
Nominal Output Current	21.7A
Power Factor	>0.99
Efficiency	
Maximun Conversion Efficiency(DC/AC)	95%
Off-grid Operation	
AC Input	
AC Start-up Voltage/Auto Restart Voltage	120~140 VAC/180 VAC
Acceptable Input Voltage Range	90~280 VAC or 170~280 VAC
Frequency Range	50Hz/60Hz(Auto sensing)
Maximum AC Input Current	40A
PV Input (DC)	
Maximum DC Voltage	450V DC
MPPT Voltage Range	120VDC~430VDC
Number of MPPT Trackers/Maximum Input Current	1/27A
Battery Mode Output(AC)	
Nominal Output Voltage	220/230/240VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
Hybrid Operation	
PV Input(DC)	
Nominal DC Voltage/Maximum DC Voltage	360VDC/450VDC
Start-up Voltage/Initial Feeding Voltage	120VDC/150VDC
MPPT Voltage Range	120VDC~430VDC
Number of MPPT Trackers/Maximum Input Current	1/27A
Grid Output(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	184~264.5 VAC or 195.5~253 VAC (Selectable)
Nominal Output Current	21.7A
AC Input	
AC Start-up Voltage/Auto Restart Voltage	120~140 VAC/180VAC
Acceptable Input Voltage Range	90~280 VAC OR 170~280 VAC
Maximum AC Input Current	40A
Battery Mode Output(AC)	
Nominal Output Voltage	220/230/240VAC
Efficiency(DC TO AC)	93%
Battery & Charger	
Nominal DC Voltage	48 VDC
Maximum Charge Current	100A
Protection	
Over Temperature	Integrated
Battery Low	Integrated
Battery High	Integrated
Output Short Circuit	Integrated
Output Voltage too High	Integrated
Output Voltage too Low	Integrated
Bus Voltage High	Integrated
Bus Voltage Low	Integrated
PV Voltage is Over Limitation	Integrated
General	
Physical	
Dimension,DxWxH(mm)	140x295x468
Net Weight(kgs)	12
Interface	
Parallel Function	9 units
Communication Interface	USB/RS232/WIFI/Dry-contact
Environment	
Humidity	0%~90% relative humidity(Non-condensing)
Operating Temperature	-10°C~50°C