

VEICHI

SI Series Off Grid/Hybrid Inverter





Pure Sine Wave Output



Programmable Supply Priority



Work with or without Battery



Convenient Design & Installation

Model Description

SIS 1 - 5K - 48 - S

Product Series

SIS: Single phase output
SIT: Three phase output

Capacity Rating

5K : 5kw(or 5kWh for battery)
1.5K : 1.5kW
3K : 3kW
.....:

Product Type

S : Off-Grid
H : Hybrid

Voltage for Battery

24 : 24V DC
48 : 48V DC
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Off Grid

MODEL	SIS-3K-24-S	SIS-5K-48-S	SIS1-3.6K-24-S	SIS1-5.6K-48-S	SIS1-8.6K-48-S
Rated Power	3000W	5000W	3600W	5600W	8600W
INPUT					
Voltage	230VAC	230VAC	230VAC	230VAC	230VAC
Selectable Voltage Range	/	/			
Frequency Range	50Hz/60Hz (Auto sensing)	50Hz/60Hz (Auto sensing)	50Hz/60Hz (Auto sensing)	50Hz/60Hz (Auto sensing)	50Hz/60Hz (Auto sensing)
OUTPUT					
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	230VAC ± 5%	230VAC ± 5%	230VAC ± 5%	230VAC ± 5%
Surge Power	6000VA	10000VA	7200VA	11200VA	17200VA
Efficiency (Peak)	90%~93%	90%~93%	90%~93%	90%~93%	90%~93%
Transfer Time	"15ms (For Personal Computers) 20ms (For Home Appliances)"				
Waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
Dual Outputs	Yes	Yes	No	No	No
BATTERY					
Battery Voltage	24VDC	48VDC	24VDC	48VDC	48VDC
Floating Charge Voltage	27VDC	54VDC	27VDC	54VDC	54VDC
Overcharge Protection	33VDC	63VDC	33VDC	63VDC	63VDC
SOLAR CHARGER & AC CHARGER					
Solar Charger Type	MPPT	MPPT	MPPT	MPPT	MPPT
Maximum PV Array Power	4000W	5000W	4000W	6000W	8000W
MPPT Range & Operating Voltage	120 ~ 450 VDC	120 ~ 450 VDC	120 ~ 450 VDC	120 ~ 450 VDC	120 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500VDC	500VDC	500VDC	500VDC	500VDC
Maximum Solar Charge Current	100A	100A	120A	120A	120A
Maximum AC Charge Current	100A	100A	100A	100A	100A
Maximum Charge Current	100A	100A	120A	120A	120A
PROTECTION					
Over temperature	Integrated	Integrated	Integrated	Integrated	Integrated
Battery low	Integrated	Integrated	Integrated	Integrated	Integrated
Battery high	Integrated	Integrated	Integrated	Integrated	Integrated
Output short circuit	Integrated	Integrated	Integrated	Integrated	Integrated
Output voltage too high	Integrated	Integrated	Integrated	Integrated	Integrated
Output voltage too low	Integrated	Integrated	Integrated	Integrated	Integrated
Bus voltage high	Integrated	Integrated	Integrated	Integrated	Integrated
Bus voltage low	Integrated	Integrated	Integrated	Integrated	Integrated
PV voltage is over limitation	Integrated	Integrated	Integrated	Integrated	Integrated
PHYSICAL					
Dimension, D×W×H (mm)	115×300×400	115×300×400	119×313.6×422.8	119×313.6×422.8	119×313.6×422.8
Net Weight (kgs)	9	10	10	12	12
Communication Interface	USB/RS232/RS485/WIFI/Dry-contact				
OPERATING ENVIRONMENT					
Humidity					
Operating Temperature	-10℃ to 50℃	-10℃ to 50℃	-10℃ to 50℃	-10℃ to 50℃	-10℃ to 50℃
Storage Temperature	-15℃ to 60℃	-15℃ to 60℃	-15℃ to 60℃	-15℃ to 60℃	-15℃ to 60℃