SIT-12K-H/SIT-15K-H

Features

- Pure sine wave output
- Programmable supply priority
- Work with or without battery
- Convenient design & Installation
- IP65 waterproof and dustproof makes the inverter available forvarious working conditions
- Built-in WiFi for mobile monitoring
- 150% unbalaned load support.Maximum PV input current 26A
- Dual outputs for smart load management
- User-adjustable charging current·Reserved communication port for BMS
- Parallel operation up to 6 units

VLT-12K-H/VLT-15K-H
Off Grid/Hybrid Inverter

Technical Specifications

Model	VLT-12K-H	VLT-15K-H
Rated Output Power	12000W	15000W
Grid-tie Operation		
PV Input(DC)		
Nominal DC Voltage/Maximum DC Voltage	720V DC/1000V DC	720V DC/1000V DC
Start-up Voltage/Initial Feeding Voltage	320V DC/350V DC	320V DC/350V DC
MPPT Voltage Range	350V DC~950V DC	350V DC~950V DC
Number of MPPT Trackers/Maximun Input Current	2/A:27A,B:27A	2/A:27A,B:27A
Grid Output (AC)		
Nominal Output Voltage	230 VAC(P-N)/400 VAC(P-P)	230 VAC(P-N)/400 VAC(P-P)
Output Voltage Range	184~265 VAC per phase	184~265 VAC per phase
Nominal Output Current	17.4A per phase	21.7A per phase
Power Factor	0.9 lag~0.9 lead	0.9 lag~0.9 lead
Efficiency		
Maximun Conversion Efficiency(DC/AC)	96%	96%
Off-grid Operation		
AC Input		
AC Start-up Voltage/Auto Restart Voltage	120~140 VAC/180 VAC	120~140 VAC/180 VAC
Acceptable Input Voltage Range	170~290 VAC per phase	170~290 VAC per phase
Frequency Range	50Hz/60Hz(Auto sensing)	50Hz/60Hz(Auto sensing)
Maximum AC Input Current	40A	40A
PV Input (DC)		
Maximum DC Voltage	1000V DC	1000V DC
MPPT Voltage Range	350VDC~950VDC	350VDC~950VDC
Number of MPPT Trackers/Maximum Input Current	2/A:27A,B:27A	2/A:27A,B:27A
Battery Mode Output(AC)		
Nominal Output Voltage	230VAC(P-N)/400 VAC(P-P)	230VAC(P-N)/400 VAC(P-P)
Output Waveform	Pure sine wave	Pure sine wave
Efficiency (DC to AC)	91%	91%
Hybrid Operation		
PV Input(DC)		
Nominal DC Voltage/Maximum DC Voltage	720VDC/1000VDC	720VDC/1000VDC
Start-up Voltage/Initial Feeding Voltage	320VDC/350VDC	320VDC/350VDC
MPPT Voltage Range	350VDC~950VDC	350VDC~950VDC
Number of MPPT Trackers/Maximum Input Current	2/A:27A,B:27A	2/A:27A,B:27A
Grid Output(AC)		
Nominal Output Voltage	230VAC(P-N)/400 VAC(P-P)	230VAC(P-N)/400 VAC(P-P)
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Maximum AC Input Current	40A	40A
Battery Mode Output(AC)		
Nominal Output Voltage	230VAC(P-N)/400 VAC(P-P)	230VAC(P-N)/400 VAC(P-P)
Efficiency(DC TO AC)	91%	91%
Battery & Charger		
Nominal DC Voltage	40VDC~62VDC	40VDC~62VDC
Maximum Charge Current	250A	300A
Protection		
Over Temperature	Integrated	Integrated
Battery Low	Integrated	Integrated
Battery High	Integrated	Integrated
Output Short Circuit	Integrated	Integrated
Output Voltage too High	Integrated	Integrated
Output Voltage too Low	Integrated	Integrated
Bus Voltage High	Integrated	Integrated
Bus Voltage Low	Integrated	Integrated
PV Voltage is Over Limitation	Integrated	Integrated
General		
Physical		
Dimension,D×W×H(mm)	255×660×750	255×660×750
Net Weight(kgs)	70	73
Interface		
Parallel Function	6 units	6 units
Communication Interface	USB/RS232/RS485/WIFI/CAN	USB/RS232/RS485/WIFI/CAN
Environment		
Humidity	0%~100% relative humidity(Non-condensing)	0%~100% relative humidity(Non-condensing)
Operating Temperature	-25℃~60℃,>45℃ power derating	-25℃~60℃,>45℃ power derating