

UPSEn
EXPERT POWER SUPPLIER

JS33 10K-200KVA

3 Phase Hybrid Solar Inverter Jingle Star Series

JS33 10K-200KVA (3ph in / 3ph out)



Features:

- 1: Pure sine wave output
- 2: Can add internal Mppt Controller
- 3: Adopt 4 layer PCB, and SMD technology
- 4: Can choose the AC charger by button: On-off
- 5: With two charging mode: AC charging mode and solar charging mode, solar charging priority.
- 6: Can choose two work mode: Solar-Grid-Battery, Solar – battery-Grid, Can choose it by LCD screen.
- 7: High efficiency IGBT (Insulated Gate Bipolar Transistor) inverter technology: The sixth generation low-exhaust and big- power IGBT with excellent high speed switch feature, high voltage feature and large current feature. Drives by electric voltage, only need small control power. The sixth generation with lower saturation voltage, the inverter has high efficiency, low temperature, high reliability.
- 8: Intelligent detecting function : This system microprocessor can continually online detect power status, the breaker status and all the working status of the circuit.
- 9: Excellent load feature : It is completely capable to load from 0-100% while no need to change to bypass, which make sure the output reliable.
- 10: Intelligent communication-URL Based Remote Monitoring and Operation :With RS232 and RS485 standard collocation, optional SNMP and dry contact.
- 11: Perfect protection :Input/output over/low voltage protection, input surge protection, phase sequence protection, battery over charge/discharge protection, short circuit protection, over-temperature protection and so on, as well as alarm function.
- 12: Selectable battery inspection module :Can test the single parameter and display on the LCD, battery failure will immediately alarm and inform the administrator.
- 13: High-powered dynamic feature :Adopt kinds of feedback control such as instantaneous control mode and virtual value, not only reach the high dynamic adjustment, but also reduce the output voltage distortion.

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Technical Specification:

Model	JS33 Series											
	10K	20K	30K	40K	50K	60K	80K	100K	120K	160K	200K	
Capacity (KVA)	10KVA	20KVA	30KVA	40KVA	50KVA	60KVA	80KVA	100KVA	120KVA	160KVA	200KVA	
Power (Watts)	8KW	16KW	34KW	32KW	40KW	48KW	64KW	80KW	96KW	128KW	160KW	
Grid (AC Input)												
Max input current (A)	31	41	61	81	101	121	161	201	241	321	401	
Type	Three phase, 3L+N+G											
Line-Neutral voltage	220/230/240VAC±25% (100/110/120VAC is optional)											
Line-Line voltage	380/400/415VAC±25% (200/208/220VAC is optional)											
Input frequency	50/60Hz±5%											
Charge voltage	432V±1%											
Charge current power	Capacity * 20%											
PV												
PV input range	560VDC ~ 800VDC											
Charge current	depends on inverter capacity											
Battery												
Type	Maintenance free lead-acid battery (other type battery need customize)											
Battery voltage	384VDC											
Battery capacity	According to backup time											
Battery low voltage protection	>336V											
Inverter (Output)												
Inverter output waveform	Pure sine wave, THD<3% (linear load)											
Inverter voltage	220/230/240VAC±2%(100/110/120VAC is optional)											
Line-line Voltage	380/400/415VAC±2%(200/208/220VAC is optional)											
Frequency	50/60Hz±0.5%											
Dynamic feature	Inverter output transient dynamic range less than±5%,recovery time <20mS											
Crest factor	03:01											
Overload protection	(Inverter output)125% overload, delay 1mins protect, 150% overload, immediate protect											
Inverter efficiency	<90%(100% load)											
System Parameters												
Transfer time	<0.5ms (inverter--bypass)											
Protection	Output short circuit, overload, overvoltage, under voltage, over temperature etc protection, have audible and visual alarm											
Display	LCD display input and output voltage, output current, the inverter voltage, frequency, output current, battery voltage, PV voltage, PV charging current, temperature mode, flowcharts, current work status, event record and system information											
Operating environment	Temperature 0-40°C											
Relative humidity	30%-95%											
Work sequence	Solar-Grid-Battery or Solar –battery-Grid, Can choose one of the mode via LCD panel											
Operation altitude (max)	<1000meters (per increase 100 meters power decrease 1%, at most 4000 meters)											
Computer communicate interface	RS232/RS485											
Cooling method	force-air cooling											
Size WxDxH (unit:mm)	600x620x1250			700x620x1530			980x800x1800			1380x950x1800		
Weight (kg)	236	265	342	407	485	506	770	913	937	1440	1760	