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Protections:

- PV array overvoltage protection;
- Battery overvoltage & under voltage protection;
- AC output side overvoltage & under voltage protection, overcurrent protection;
- AC output side, over or under frequency protection;
- PV Array ground protection;
- PV array polarity reverse protection;
- Busbar overvoltage protection;
- Wrong connection protection of L and N;
- Low voltage across function;
- Isolated island protection function;
- DC component protection;
- Leakage current protection;
- Relay failure protection;
- Over temperature Protection, etc.

Model	JNS3KTL	JNS5KTL
PV Input		
Max. PV Input Power	3300W	5500W
Max. DC Input Voltage	520 Vdc	
MPP Voltage Range	125～450 Vdc	
Full Load Vmp range	150～450 Vdc	230～450 Vdc
Max. input current	22A（11A/11A）	
Number of MPP Tracker	2	
Number of PV Array Input	2	
Battery		
Battery Type	Lead-Acid or Lithium	
Rated Voltage	48V	
Max Charge/Discharge current	100A	
Grid-Tied Mode		
Rated Output Power	3000W	4600W
Acceptable Input Voltage Range	230Vac（150～276 Vac）(configurable)	
Input Frequency Range	50Hz（45～55Hz）/60Hz（55～65Hz）	
Max Output Current	13A	23A
Total Current Waveform Distortion Rate	<3% (rated power)	
Power Factor	>0.99@ rated power (-0.9～+0.9, adjustable)	
Max Efficiency	97.4%	97.6%
AC Output（Off-Grid Mode）		
Rated Output Power	2500W	
Rated Output Voltage	230Vac±5%	
Rated Output Frequency	50Hz/60Hz±0.2%(configurable)	
Max Output Current	11A	
Total Voltage Waveform Distortion Rate	<3% (rated power)	
Peak Power	110%@rated power, 3min;125%@ rated power,70s	
General		
Elevation (m)	4000(＞2000m derate)	
Protection Level	IP65	
Noise (dB)	<45	
Operating Temp.	-25～+60℃(>45℃derate)	
Cooling Way	Natural Cooling	
Topology	Transformerless	
Standards	CE;IEC/EN62109-1; IEC/EN 62109-2	
Dimension (W*D*H) (mm)	505*450*190	
Weight (kg)	30	30