

Solar Pumping Inverter- Single Phase



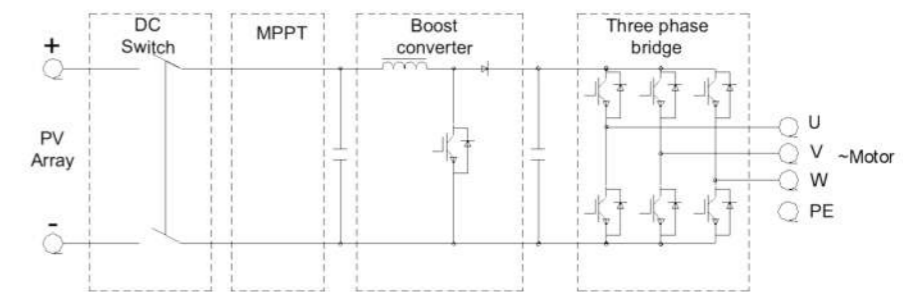
Features:

- 1:1 match with single phase AC pumps with strong overload capacity;
- Solar power tracking efficiency can reach 99% with advanced MPPT algorithm;
- IP65 design, Can continuous full-load operation between -25°C to +60°C;
- Remote monitoring start and stop with RS485 & GPRS communication;
- Perfect protection system: undervoltage protection, overload protection, overvoltage protection, overcurrent protection, dry protection, short-circuit protection, etc.;
- High efficiency, low noise, fanless design, long system lifespan, safe and reliable;
- Reduce starting power and 30% more water output with advanced inverter control algorithm;
- Reduce solar panels configuration and save costs with low solar operating voltage.

Technical Parameters

Model	JNP750LS	JNP1K1LS	JNP1K5LS	JNP2K2LS
d.c. Input				
d.c. Max. Input Voltage	440Vdc			
Recommended MPPT Voltage	110~400V	120~400V	150~400V	150~400V
Max. MPPT Efficiency	>99%			
Number of String	2			
a.c. Output				
Max. Applicable Motor Output Power	750W	1100W	1500W	2200W
Rated Output Voltage	220/230/240Vac			
Output Frequency Range	0~50/60Hz			
Max. Output Current	6A	9A	11A	15A
System				
Protection Level	IP65			
Protection Class	I			
Operating Temperature	-25~60°C(above 60°C need derate operating)			
Cooling Way	Nature Cooling			
Display	LCD			
Communication	RS485/GPRS(optional)			
Altitude	3000m (above 3000m need derate operating)			
Noise Emission	<50dB			
Compliance	EN 50178; IEC/EN 62109-1 ; IEC 61800-5-1			
Dimension (L/W/H) (mm)	350/278/179			420/310/211
Weight(Kg)	9.5	9.5	9.5	14.5
Warranty	3 years			
Grid Input	Include (manual switch; external)			

Circuit Topology:



Single phase series main circuit topology