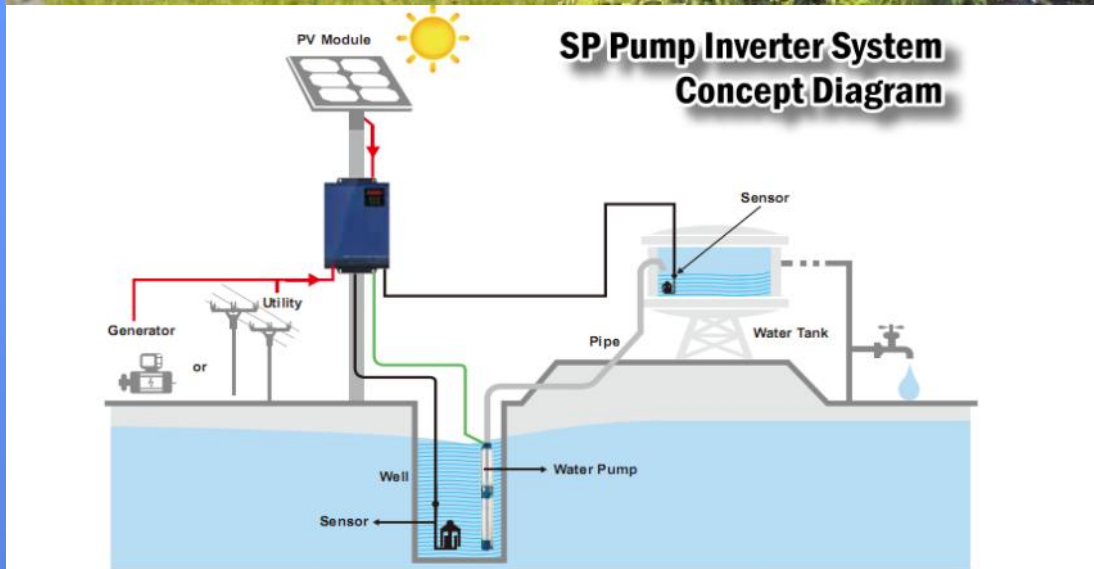


SP INVERTER SERIES

Solar Pump Inverter



**SP Pump Inverter System
Concept Diagram**

SP Solar Pump Inverter	SP-2.2K LS	SP-2.2K	SP-7.5K	SP-11K
INPUT POWER				
Max PV array	3500W(3-Phase) 7000W(Single Phase)	3,500W	12,000W	17,600W
Max PV Input Voc	450VDC		800VDC	
MPPT Range	120~420VDC		250 - 780VDC	
Startup Voltage	120VDC		250VDC	
Recommend PV input voltage	>330V(for 220v)	>560v@380v, >585v@400v, >606v@415v, >642v@440v		
(Optional) AC Input Power	4,000VA	4,000VA	11,000VA	16,500VA
(Optional) AC Input Voltage	220,230,240VAC (1-Phase) 380,400,415,440VAC (3-phase)		380, 400, 415, 440VAC (3-phase)	
(Optional) AC Input Max Current	18.18A	5.8A	20.5A	27A
OUTPUT POWER				
Power Phase	Single or 3 Phase		3 Phase only	
Output Voltage	220,230,240VAC (1-Phase) 380,400,415,440VAC (3-phase)		380, 400, 415, 440VAC (3 phase)	
Max Output Power	2200W	2,200W	7,500W	11,000W
Water pump power support	0.75~3 HP	0.75~3 HP	3~10 HP	10~15 HP
Peak Efficiency		97%		
Max Output Current	14A (1-Phase), 10A (3-Phase)	5A	15A	22A
Motor Type	Single /3 Phase asynchronous motor		3-Phase asynchronous motor	
Output Frequency		50Hz / 60Hz, adjustable		
ENVIRONMENTAL / MECHANICAL SPECIFICATIONS				
Protections	Over/Under-Voltage, Over Current, Over Temp, Short Circuit, Surge			
Communication	RS-232, RS-485			
Operating Temp.	-20°C~ 45°C (100% load, power derate >45°C)			
Operating Humidity	0~95%RH Non-Condensing			
Dimension	110*230*330mm			
Weight/Packing	5.0kg	5.5kg	6Kg	6.5Kg

MPP Solar Inc. reserves the right to change product specification without notice. MPP Solar is a registered trademark.



MAIN FEATURES

- Battery-less design Single/3-phase SOLAR pump inverter (run from Solar or AC)
- Built in MPPT solar charger
- High PV Input Voc 800V!
- 2.2KW, 7.5KW, or 11KW models to choose
- Compatible with IEC standard 3-phase asynchronous motor
- Peak 97% efficiency!
- 50Hz or 60Hz supported (programmable)
- Alternative AC Input — compatible with utility or generator
- Auto-restart feature after PV reconnect or AC return
- Automatic derating at high temperature
- Soft start feature available
- Full feature system protection
- RS232 / RS485 monitoring feature
- Large LCD / LED display
- (optional) Monitoring of water tank level through input dry contact signal