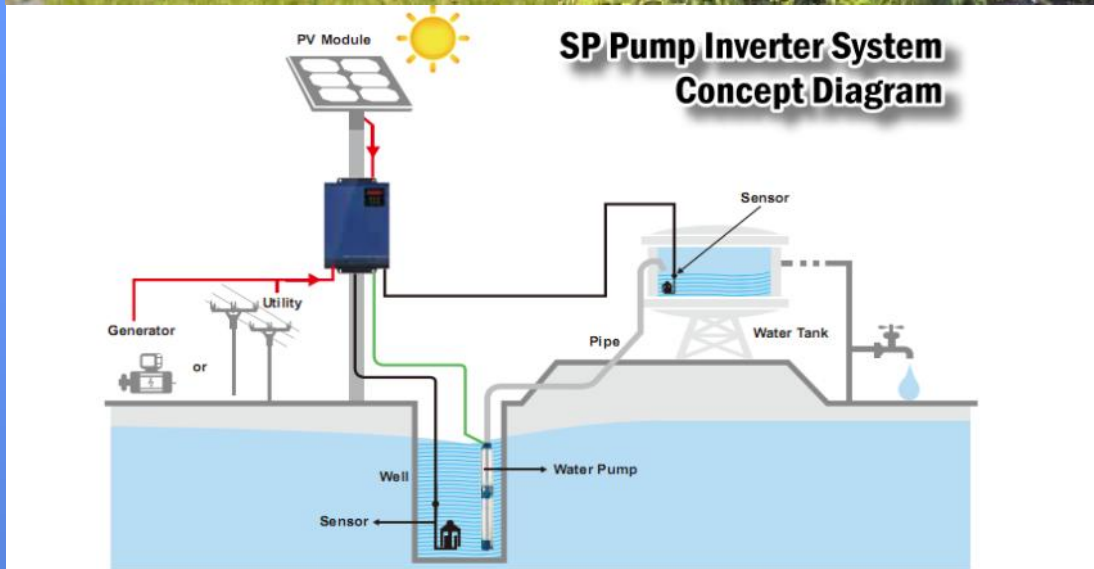


# SP INVERTER SERIES

## 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
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**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	
Max Input PV current	7.4A(3-Phase) 15A(Single Phase)	4.3A	14.5A	21.3A
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 (Single 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(Single 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 (Single Phase) 10A (3 Phase)	5A	17A	26A
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	<b>5.0kg</b> <b>5.5Kg</b> <b>6Kg</b> <b>6.5Kg</b>

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**