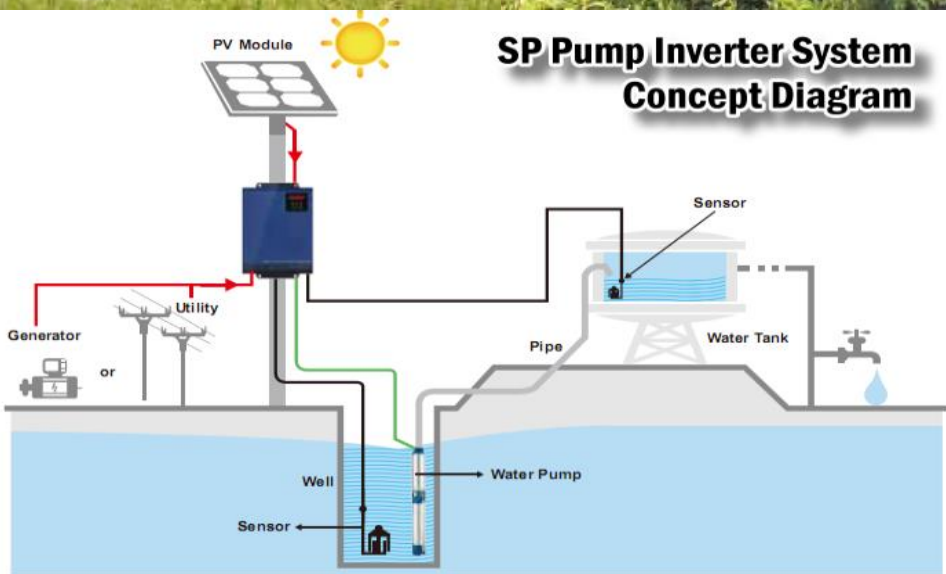


SP INVERTER SERIES

Solar Pump Inverter



NEW

MAIN FEATURES

- Single or 3-phase Solar Pump Inverter
- Batteryless design
- Built in MPPT design
- High PV Input up to Voc 800V
- 2.2KW, 7.5KW, 11KW or 15KW available
- Compatible with IEC standard single phase (2.2K LS only) or 3-phase asynchronous motor
- Peak 97% efficiency
- 50Hz or 60Hz supported (programmable)
- AC Input for backup during low or no sun*
- Auto-restart feature after PV reconnect or AC return
- Automatic derating at high temperature
- Soft start feature available
- Phase lost, dry pumping, motor locked, weak sunlight, over-voltage, under-voltage, over-current, surge, over-temp and short circuit protection
- RS232 / RS485 monitoring feature
- Large LCD / LED display

SP Series	SP-2.2K LS	SP-2.2K	SP-7.5K	SP-11K	SP-15K
INPUT POWER					
Max PV Array	3500W(3P) / 7000W(1P)	3.5KW	12KW	17.6KW	24KW
Max PV Input Voc	450VDC	800VDC			
MPPT Range	120~420VDC	250 - 780VDC			
Startup Voltage	120VDC	250VDC			
Recommend PV Input Voltage	>330V	>560v@380v, >585v@400v, >606v@415v, >642v@440v			
AC Input Backup	Standard		Optional		
AC Input Power	4KW	4KW	11KW	16.5KW	21KW
AC Input Voltage	220,230,240VAC (Single Phase)		380, 400, 415, 440VAC (3-phase)		
AC Input Max Current	18.18A	5.8A	20.5A	27A	32A
OUTPUT POWER					
Power Phase	Single or 3 Phase		3 Phase only		
Output Voltage	220,230,240VAC (1P or 3P)		380, 400, 415, 440VAC (3 phase)		
Max Output Power	2.2KW	2.2KW	7.5KW	11KW	15KW
Supported Pump Size	0.75~3 HP	0.75~3 HP	3~10 HP	10~15 HP	15~20 HP
Peak Efficiency	97%				
Max Output Current	14A (1-Phase), 10A (3-Phase)	5A	15A	22A	29A
Motor Type	Single Phase or 3-Phase asynchronous motor		3-Phase asynchronous motor only		
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*340mm			105*220*320mm	
Weight/Packing	5.0kg	5.5Kg	6Kg	6.5Kg	6.0Kg

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

*IMPORTANT: AC input backup feature is standard on 2.2K LS model only; for 3-phase models (2.2K, 7.5K, 11K, 15K), AC input must NOT be used at the same time as PV or else damage may result.

