

SOLAR PUMP SYSTEM



MAIN FEATURES

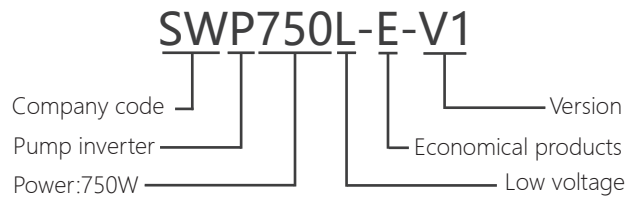
1. Max.power point tracking technology and the efficiency > 99%.
2. It can drive three-phase AC pump.
3. Fully automatic operation control, soft start and soft stop, unattended.
4. Perfect system protection mechanism, overvoltage, undervoltage, overcurrent, short circuit, lack of phase, pump drying and other protection functions.
5. Flow and energy display, RS485 function.
6. DC and AC input power supply.



MAIN FUNCTION

- ▶ Overvoltage and undervoltage protection
- ▶ Overcurrent and short circuit protection
- ▶ Output phase loss protection
- ▶ 0Pump drying protection
- ▶ Water tank overflow protection

DEFINITION OF THE INVERTER



TECHNICAL DATA

Item \ Model	SWP750L-E-V1	SWP1K5L-E-V1	SWP2K2L-E-V1	SWP4KL-E-V1	SWP750H-E-V1	SWP1K5H-E-V1	SWP2K2H-E-V1
PV Input							
Max. input DC voltage	450Vdc				800Vdc		
Recommended MPPT Voltage	150~450Vdc	150~450Vdc	150~450Vdc	150~450Vdc	485~750Vdc	485~750Vdc	485~750Vdc
Max. MPPT Efficiency	99%						
Number of String	1						
A.C. Input							
Voltage	190~240Vac(1PH) When PV and power grid are required to be mixed, accessory products need to be added				330~460Vac(3PH) When PV and power grid are required to be mixed, accessory products need to be added		
Frequency	50Hz/60Hz(±3%)						
A.C. Output							
Max. applicable motor output power	0.75kW	1.5kW	2.2kW	4kW	0.75kW	1.5kW	2.2kW
Rated Output Voltage	220-240Vac 3PH	220-240Vac 3PH	220-240Vac 3PH, can drive 0.75kW/1.1kW single pahse pump	220-240Vac 3PH, can drive 1.5kW/2.2kW single pahse pump	380-460Vac 3PH	380-460Vac 3PH	380-460Vac 3PH
Output Frequency Range	0~50/60Hz						
Rated output current	4A	7A	10A	16A	2.5A	3.7A	5A
Mechanical data							
Dimensions(W/H/D)(mm)	252/195/230	252/195/230	252/195/230	315/235/253	540/310/295	540/310/295	540/310/295
Weight	2kg	2kg	2.5kg	4.3kg	2kg	3kg	3kg
System							
Protection Level	IP20						
Operating Temperature	-25℃ to +50℃, above 50℃ need derate operating						
Cooling Way	Force cooling						
Display	LED						
Communication interface	RS485						
Altitude	1000m; above 1000m need derate operating						
Noise Emission	<65dB						
Compliance	EN 50178; IEC/EN 62109-1; IEC 61800						



TECHNICAL DATA

Item \Model	SWP4KH-E-V1	SWP5K5H-E-V1	SWP7K5H-E-V1	SWP11KH-E-V1	SWP15KH-E-V1	SWP18K5H-E-V1
PV Input						
Max. input DC voltage	800V					
Recommended MPPT Voltage	485~750Vdc					
Max. MPPT Efficiency	99%					
Number of String	1					
A.C. Input						
Voltage	330~460Vac(3PH) When PV and power grid are required to be mixed, accessory products need to be added					
Frequency	50Hz/60Hz(±3%)					
A.C. Output						
Max. applicable motor output power	4kW	5.5kW	7.5kW	11kW	15kW	18.5kW
Rated Output Voltage	380-460Vac 3-phase					
Output Frequency Range	0~50/60Hz					
Rated output current	10A	13A	18A	21A	29A	36A
Mechanical data						
Dimensions(W/H/D)(mm)	252/195/230	340/273/288	340/273/288	340/273/288	540/310/295	540/310/295
Weight	3.2kg	4.9kg	4.9kg	5.2kg	9kg	9kg
System						
Protection Level	IP20					
Operating Temperature	-25℃ to +50℃, above 50℃ need derate operating					
Cooling Way	Force cooling					
Display	LED					
Communication interface	RS485					
Altitude	1000m; above 1000m need derate operating					
Noise Emission	<65dB					
Compliance	EN 50178; IEC/EN 62109-1; IEC 61800					
Dimension (W/H/D)	265/330/150(mm)					