



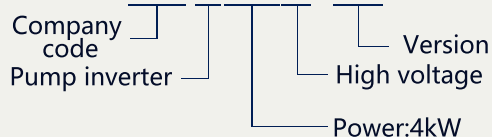
SOLAR PUMP SYSTEM

MAIN FEATURES

1. Max.power point tracking technology,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.

DEFINITION OF THE INVERTER

SWP4KH-V1





MAIN FUNCTION

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

TECHNICAL DATA

Item \Model	SWP4KH-V1	SWP5K5H-V1	SWP7K5H-V1	SWP11KH-V1	SWP15KH-V1	SWP18K5H	SWP22KH-V1	SWP30KH-V1	SWP37KH-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	22kW	30kW	37kW
Rated Output Voltage	380-460Vac 3-phase								
Output Frequency Range	0~50/60Hz								
Rated output current	10A	13A	18A	21A	29A	36A	42A	57A	71A
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	540/310/295	594/334/301	594/334/301
Weight	3.2kg	4.9kg	4.9kg	5.2kg	9kg	9kg	9kg	16kg	16kg
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	SWP45KH-V1	SWP55KH-V1	SWP75KH-V1	SWP93KH-V1	SWP110KH-V1	SWP132KH-V1	SWP160KH-V1	SWP185KH-V1	SWP200KH-V1	SWP220KH-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	45kW	55kW	75kW	93kW	110kW	132kW	160kW	185kW	200kW	220kW
Rated Output Voltage	380-460Vac 3-phase									
Output Frequency Range	0~50/60Hz									
Rated output current	91A	110A	150A	180A	220A	250A	304A	340A	377A	426A
Mechanical data										
Dimensions(W/H/D)(mm)	700/410/460	700/410/460	680/485/415	680/485/415	680/485/415	680/485/415	885/535/370	885/535/370	1180/760/450	1180/760/450
Weight	35kg	36kg	45kg	51kg	54kg	55kg	86kg	98kg	104kg	180kg
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									