



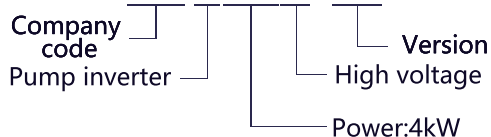
SOLAR PUMP SYSTEM

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	SWP1K5L-E-V1	SWP2K2L-E-V1	SWP4KL-E-V1	SWP1K5H-E-V1	SWP2K2H-E-V1
PV Input					
Max. input DC voltage	220V			800V	
Recommended MPPT Voltage	220Vdc			485~750Vdc	
Max. MPPT Efficiency	99%				
Number of String	1				
A.C. Input					
Voltage				380~520Vac(3PH)	
Frequency	50Hz/60Hz(±3%)				
A.C. Output					
Max. applicable motor output power	2.2kW	4kW	4kW	1.5kW	2.2kW
Rated Output Voltage	220/240 Vac Single phase			380-440Vac 3-phase	
Output Frequency Range	47~63Hz				
Rated output current	7A	10A	16A	3.7A	5A
Mechanical data					
Dimensions(W/H/D)(mm)	221/168/156	221/168/156	247/160/175	221/168/156	221/168/156
Weight	1.5kg	1.5kg	4kg	1.5kg	1.5kg
System					
Protection Level	IP20				
Operating Temperature	-25 °C to +50 °C ,above 50 °C 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-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	380~520Vac(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	18kW	22kW	30kW	37kW
Rated Output Voltage	380-440Vac 3-phase								
Output Frequency Range	47~63Hz								
Rated output current	10A	13A	17A	22A	30A	37A	45A	60A	75A
Mechanical data									
Dimensions(W/H/D)(mm)	252/195/230	247/160/175	247/160/175	247/160/175	395/295/275	395/295/275	395/295/275	605/335/305	605/335/305
Weight	2.5kg	3.9kg	4kg	4.1kg	7kg	7.1kg	10kg	16kg	17kg
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	SWP90KH-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	380~520Vac(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	90kW	110kW	132kW	160kW	185kW	200kW	220kW
Rated Output Voltage	380-440Vac 3-phase									
Output Frequency Range	47~63Hz									
Rated output current	90A	110A	150A	170A	210A	250A	300A	340A	380A	415A
Mechanical data										
Dimensions(W/H/D)(mm)	700/410/420	700/410/420	750/470/480	750/470/480	750/470/480	750/470/480	930/620/530	930/620/530	930/620/530	930/620/530
Weight	35kg	36kg	46kg	48kg	50kg	50kg	93kg	94kg	95kg	98kg
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	SWP250KH-V1	SWP280KH-V1	SWP315KH-V1	SWP355KH-V1	SWP400KH-V1	SWP450KH-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	380~520Vac(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	250kW	280kW	315kW	355kW	400kW	450kW
Rated Output Voltage	380-440Vac 3-phase					
Output Frequency Range	47~63Hz					
Rated output current	470A	520A	600A	680A	750A	810A
Mechanical data						
Dimensions(W/H/D)(mm)	935/795/455	935/795/455	935/795/455	935/795/455	1500/1000/650	1500/1000/650
Weight	136kg	138kg	138kg	138kg	260kg	260kg
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					