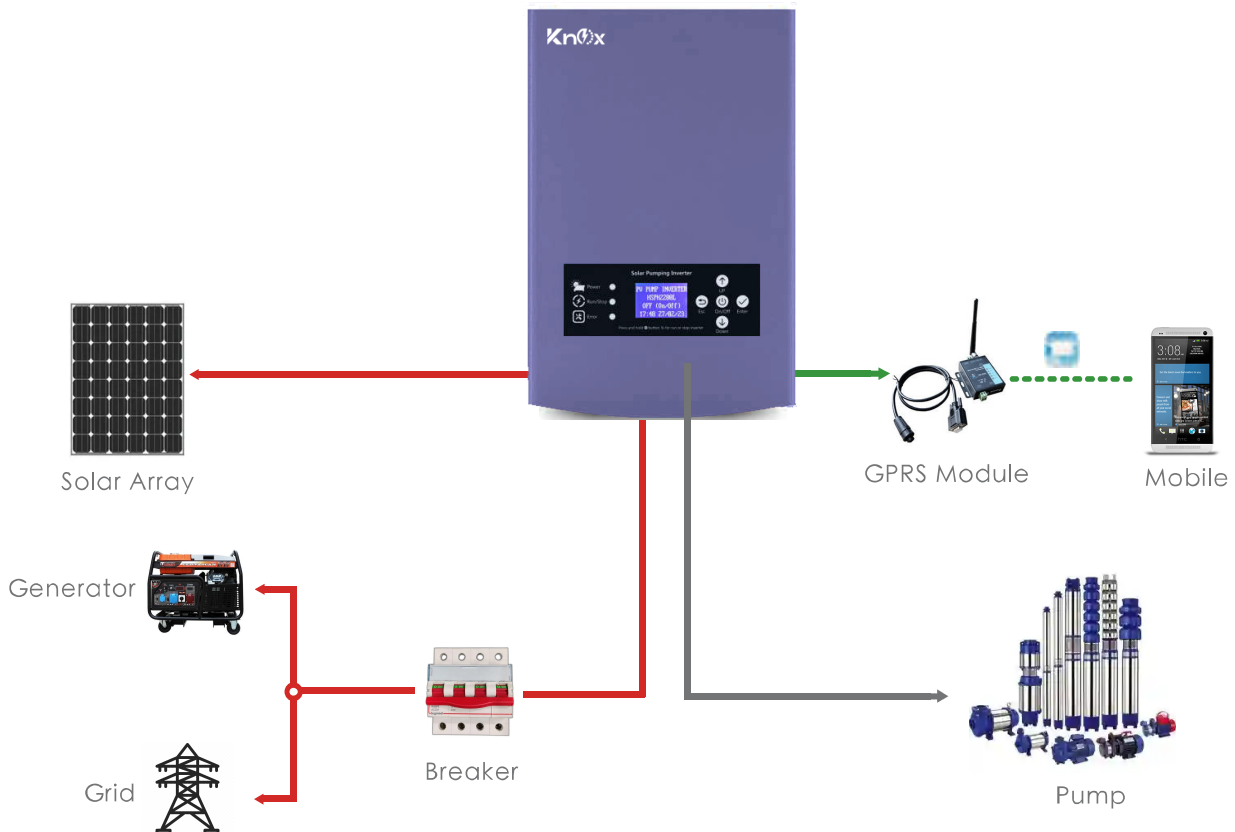


Solar Pump Inverter

Solar pumping inverter converts DC power from the solar array into AC power to drive the pump. With the function of MPPT(maximum power point tracking), it regulates the output frequency according to irradiation in real time to achieve the maximum power.



System Chart



Technical Specifications

Model	HSPH750LB	HSPH1500LB	HSPH1500L	HSPH2200L
Solar Input				
Max Voc Voltage	450V			
Min Vmp Voltage	80V	120V	200V	
Recommend Vmp Voltage	100Vmp<DC Input<430Voc (Built-in booster)	160Vmp<DC Input<430Voc (Built-in booster)	300Vmp<DC Input<430Voc (Only Solar Input) 340Vmp<DC Input<400Voc (Hybrid Power Input)	
Max MPPT Efficiency	99%			
Max Input Current	18 A	18 A	10 A	11 A
Number Of Strings	1			
Inside Booster	YES	YES	N	N
Hybrid AC Input				
Voltage	220/240V 1-Phase			
Rated Input Current	7 A	12.5A	7A	15A
Hybrid Mode	N	N	Automatic. AC supplement automatic while solar low power and AC disconnect automatic while	
AC Output For Pump(AC Induction Motor)				
Max Adapted AC Pump Horse Power	1 HP	2HP	2 HP	3 HP
Max Adapted AC Pump Power	750W	1500W	1500 W	2200 W
Phase	Single Phase(1 phase) / 3Phase (Compatible)			
Max Output voltage	220 / 240 V			
Max Output frequency	50 ~ 60 Hz			
Rated Output Current	7 A	13A	12A	16 A
Other Characters				
Max Efficiency	97%			
Water level Sensor(well / tank)	Yes			
4G/Wifi Monitor&Controller	Support (Optional)			
Display	LCD Display (128*64)			
Waterproof	IP65			
Noise	< 50dB			
Cooling Method	Natural Cooling	Force Cooling by Fan (IP68)		
Protection	Solar DC input Low/Over Voltage Solar DC Input Reverse Polarity AC Output Short-circuit AC Output Over Current Over Temperature Over Load Over Flow of Tank Against Lightning AC Output Phase Lose(3Phase) AC Output Unbalance(3Phase) Dry-Run (detecting by Sensor or Software)			
Operating Environment				
Operating environment temperature	-10 to 60°C, Above 60°C need to derate load			
Max Humidity	95%RH			
Using altitude	< 3000m, Above 3000m need to derate load			
Prohibiting the installation location: direct sunlight, thick dust, corrosive gas or oil mist, flammable gas, liquid.etc				
Package				
Size (L*W*H)	400*310*200mm	480*300*200mm	400*310*200mm	
Weight	6KG	8KG	6KG	6KG

Technical Specifications

Model	HSPH1500HB	HSPH2200HB	HSPH3700H	HSPH4000H	HSPH5500H
Solar Input					
Max Voc Voltage	700V			800V	
Min Vmp Voltage	300V			400 V	
Recommend Vmp Voltage	340Vmp<DC Input<600Voc (Built-in booster)			500Vmp<DC Input<750Voc (Only Solar Input) 540Vmp<DC Input<700Voc (Hybrid Power Input)	
Max MPPT Efficiency	99%				
Max Input Current	9A	12.6A	10 A	11A	14A
Number Of Strings	1				
Inside Booster	Y(Support)			N	
Note	Automatic MPPT Function to Identify the Voc and Vmp of Solar Panel, no need programming				
AC Input					
Voltage	3 Phase 380/400/440V				
Rated Input Current	4.8 A	7A	10 A	11A	14A
Hybrid Mode	N		AC supplement automatic when solar low power and AC disconnect automatic while solar power recovery		
AC Output For Pump(AC Induction Motor)					
Max Adapted AC Pump Horse	2 HP	3 HP	5 HP	5.5HP	7.5 HP
Max Adapted AC Pump Power	1500W	2200W	3700W	4000W	5500W
Drive Mode	Variable Frequency Drive 3Phase				
Max Output voltage	380/400/440V				
Max Output frequency	50 ~ 60 Hz (support program range 15 to 60Hz)				
Rated Output Current	5A	7A	10A	11A	14A
Other Characters					
Max Efficiency	97%				
Water level Sensor(well / tank)	Yes				
4G/Wifi Monitor&Controller	Optional				
Display	LCD display				
Waterproof	IP65				
Noise	< 50dB				
Cooling Method	Force Cooling by Fan (IP68)				
Protection	Solar DC input Low/Over Voltage Solar DC Input Reverse Polarity AC Output Short-circuit AC Output Over Current Over Temperature Over Load Over Flow of Tank Against Lightning AC Input / Output Phase Lost Dry-Run (detecting by Sensor or Software)				
Operating Environment					
Operating environment	-10 to 60°C, Above 60°C need to derate load				
Max Humidity	95%RH				
Using altitude	< 3000m, Above 3000m need to derate load				
Others	Prohibiting the installation location: direct sunlight, thick dust, corrosive gas or oil mist, flammable gas, liquid.etc				
Package					
Size (L*W*H)	480*310*200mm				
Weight	9 KG			7.5 KG	

Technical Specifications


Model	HSPH7500H	HSPH9200H	HSPH11KH	HSPH13KH	HSPH15KH
Solar Input					
Max Voc Voltage	800V				
Min Vmp Voltage	400V				
Recommend Vmp Voltage	500Vmp<DC Input<750Voc (Only Solar Input) 540Vmp<DC Input<700Voc (Hybrid Power Input)				
Max MPPT Efficiency	99%				
Max Input Current	26A	33A	35A	44A	48A
Number Of Strings	2				
Note	Automatic MPPT Function to Identify the Voc and Vmp of Solar Panel, no need programming				
AC Input					
Voltage	3 Phase 380/400/440V				
Rated Input Current	17.3A	21A	25A	29A	32A
Hybrid Mode	AC supplement automatic when solar low power and AC disconnect automatic while solar power recovery				
AC Output For Pump(AC Induction Motor)					
Max Adapted AC Pump Horse Power	10HP	12.5 HP	15 HP	17.5 HP	20HP
Max Adapted AC Pump Power	7500W	9.2KW	11KW	13KW	15KW
Drive Mode	Variable Frequency Drive 3Phase				
Max Output voltage	380/400/440V				
Max Output frequency	50 ~ 60 Hz (support program range 15 to 60Hz)				
Rated Output Current	17A	21A	25A	29A	32A
Other Characters					
Max Efficiency	97%				
Water level Sensor(well / tank)	Yes				
4G/Wifi Monitor&Controller	Optional				
Display	LCD display				
Waterproof	IP65				
Noise	< 50dB				
Cooling Method	Force Cooling by Fan (IP68)				
Protection	Solar DC input Low/Over Voltage Solar DC Input Reverse Polarity AC Output Short-circuit AC Output Over Current Over Temperature Over Load Over Flow of Tank Against Lightning AC Input / Output Phase Lost Dry-Run (detecting by Sensor or Software)				
Operating Environment					
Operating environment temperature	-10 to 60°C, Above 60°C need to derate load				
Max Humidity	95%RH				
Using altitude	< 3000m, Above 3000m need to derate load				
Others	Prohibiting the installation location: direct sunlight, thick dust, corrosive gas or oil mist, flammable gas, liquid.etc				
Package					
Size (L*W*H)	500*350*220mm				
Weight	9.5KG	10 KG			


Technical Specifications

Model	HSPH18.5KH	HSPH22KH
Solar Input		
Max Voc Voltage	800V	
Min Vmp Voltage	400V	
Recommend Vmp Voltage	500Vmp<DC Input<750Voc (Only Solar Input) 540Vmp<DC Input<700Voc (Hybrid Power Input)	
Max MPPT Efficiency	99%	
Max Input Current	61A	71A
Number Of Strings	4	
Note	Automatic MPPT Function to Identify the Voc and Vmp of Solar Panel no need programming	
AC Input		
Voltage	3 Phase 380/400/440V	
Rated Input Current	38A	46A
Hybrid Mode	AC supplement automatic when solar low power and AC disconnect automatic while solar power recovery	
AC Output For Pump(AC Induction Motor)		
Max Adapted AC Pump Horse Power	25HP	30 HP
Max Adapted AC Pump Power	18500W	22000W
Drive Mode	Variable Frequency Drive 3Phase	
Max Output voltage	380/400/440V	
Max Output frequency	50 ~ 60 Hz (support program range 15 to 60Hz)	
Rated Output Current	40A	46A
Other Characters		
Max Efficiency	97%	
Water level Sensor(well / tank)	Yes	
4G/Wifi Monitor&Controller	Optional	
Display	LCD display	
Waterproof	IP65	
Noise	< 50dB	
Cooling Method	Force Cooling by Fan (IP68)	
Protection	Solar DC input Low/Over Voltage Solar DC Input Reverse Polarity AC Output Short-circuit AC Output Over Current Over Temperature Over Load Over Flow of Tank Against Lightning AC Input / Output Phase Lost Dry-Run (detecting by Sensor or Software)	
Operating Environment		
Operating environment temperature	-10 to 60°C, Above 60°C need to derate load	
Max Humidity	95%RH	
Using altitude	< 3000m, Above 3000m need to derate load	
Others	Prohibiting the installation location: direct sunlight, thick dust, corrosive gas or oil mist, flammable gas, liquid.etc	
Package		
Size (L*W*H)	540*385*220mm	
Weight	16KG	18 KG

Technical Specifications

Model	HSPH26KH	HSPH30KH	HSPH37KH
Solar Input			
Max Voc Voltage	800V		
Recommend Vmp Voltage	500Vmp<DC Input<750Voc (Only Solar Input) 540Vmp<DC Input<700Voc (Hybrid Power Input)		
Max MPPT Efficiency	99%		
Max Input Current	81A	91A	100A
Number Of Strings	5		
Note	Automatic MPPT Function to Identify the Voc and Vmp of Solar Panel, no need programming		
AC Input			
Voltage	3 Phase 380/400/440V		
Rated Input Current	53A	61A	76A
Hybrid Mode	AC supplement automatic when solar low power and AC disconnect automatic while solar power recovery		
AC Output For Pump(AC Induction Motor)			
Max Adapted AC Pump Horse Power	35HP	40 HP	50 HP
Max Adapted AC Pump Power	26KW	30KW	37KW
Drive Mode	Variable Frequency Drive 3Phase		
Max Output voltage	380/400/440V		
Max Output frequency	50 ~ 60 Hz (support program range 15 to 60Hz)		
Rated Output Current	52A	60A	75A
Other Characters			
Max Efficiency	97%		
Water level Sensor(well / tank)	Yes		
4G/Wifi Monitor&Controller	Optional		
Display	LCD display		
Waterproof	IP65		
Noise	< 50dB		
Cooling Method	Force Cooling by Fan (IP68)		
Protection	Solar DC input Low/Over Voltage Solar DC Input Reverse Polarity AC Output Short-circuit AC Output Over Current Over Temperature Over Load Over Flow of Tank Against Lightning AC Input / Output Phase Lost Dry-Run (detecting by Sensor or Software)		
Operating Environment			
Operating environment temperature	-10 to 60°C, Above 60°C need to derate load		
Max Humidity	95%RH		
Using altitude	< 3000m, Above 3000m need to derate load		
Others	Prohibiting the installation location: direct sunlight, thick dust, corrosive gas or oil mist, flammable gas, liquid.etc		
Package			
Size (L*W*H)	700*470*285MM		
Weight	22KG	23 KG	24KG

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