

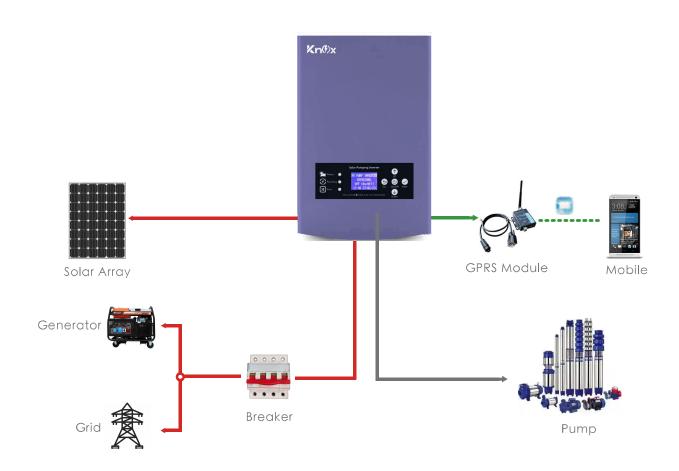


## Solar Pump Inverter

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



## System Chart



	Technic	al Specifications		
Model	HSPH750LB	HSPH1500LB	HSPH1500L	HSPH2200L
	S	olar Input		
Max Voc Voltage			450V	
Min Vmp Voltage	80V	120V	2	00V
Recommend Vmp Voltage	100Vmp <dc (built-in="" (hybrid="" (only="" 160vmp<dc="" 340vmp<dc="" booster)="" input<400voc="" input<430voc="" po<="" so="" td=""><td></td></dc>			
Max MPPT Efficiency			99%	
Max Input Current	18 A	18 A	10 A	11 A
Number Of Strings		I	1	
Inside Booster	YES	YES	N	N
	Hyb	rid AC Input		
Voltage			240V 1-Phase	
Rated Input Current	7 A	12.5A	7A	15A nent automatic while solar
Hybrid Mode	N	N		connect automatic while
	AC Output For Pu	ump( 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
· · · · · · · · · · · · · · · · · · ·	7 30 4 4			
Phase	Single Phase(1 phase) / 3Phase (Compatible)			
Max Output voltage	220 / 240 V			
Max Output frequency		50	0 ~ 60 Hz	
Rated Output Current	7 A	13A	12A	16 A
NA 5500 1	Othe	r Characters	070/	
Max Efficiency Water level Sensor(well / tank)			97% Yes	
4G/Wifi Monitor&Controller		Suppor	rt (Optional)	
Display		LCD Di	splay (128*64)	
Waterproof Noise			IP65 < 50dB	
Cooling Method	Natural Cooling		Force Cooling by Fan (II	P68)
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)			
	Operati	ng Enviornment		
Operating environment temperature		-10 to 60°C, Above	e 60°C need to derate load	d
Max Humidity	95%RH			
Using altitude	< 3000m, Above 3000m need to derate load			
Prohibiting the installation lo	cation: direct sunlight:			
		Package	The state of the s	J,
Size (L*W*H)	400*310*200mm 480*300*200mm 400*310*200mm			
Weight	6KG	8KG	6KG	6KG
	<u> </u>	I	I	· ·

		Technical Specificat	tions		
Model	HSPH1500HB	HSPH2200HB	HSPH3700H	HSPH4000H	HSPH5500H
		Solar Input			
Max Voc Voltage	700V			800V	
Min Vmp Voltage	300	)V		400 V	
Recommend Vmp Voltage  Max MPPT Efficiency	340Vmp <dc input<br=""></dc> boos	,		C Input<750Voc (Onl Input<700Voc (Hybr	
Max Input Current	9A	12.6A	10 A	11A	14A
Number Of Strings			1		
Inside Booster	Y(Sup	port)		N	
Note	Automatic MPPT	Function to Identify th	ne Voc and Vmp of	Solar Panel, no need	programming
		AC Input			
Voltage		· · · · · · · · · · · · · · · · · · ·	hase 380/400/440V		
Rated Input Current	4.8 A	7A	10 A	11A	14A
Hybrid Mode	N			utomatic when solar utomatic while solar p	
	AC Outp	ut For Pump( AC Ind	uction 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 3P	hase	
Max Output voltage			380/400/440V		
Max Output frequency		50 ~ 60 Hz (sup	port program range	15 to 60Hz)	
Rated Output Current	5A	7A	10A	11A	14A
		Other Character			
Max Efficiency			97% Yes		
Water level Sensor(well / tank) 4G/Wifi Monitor&Controller			Optional		
Display			LCD display		
Waterproof		IP65			
Noise			< 50dB		
Cooling Method		Force	Cooling by Fan (IP6	8)	
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 Enviornr			
Operating environment		-10 to 60°C, A	bove 60°C need to d	erate load	
Max Humidity		- 0000 · · · Al	95%RH	lovete le	
Using altitude	< 3000m, Above 3000m need to derate load Prohibiting the installation location: direct sunlight, thick dust, corrosive gas or oil mist, flammable gas,				
Others	rionibiling the installa	auon location; direct s	unlight, thick dust, c liquid.etc	orrosive gas or oil m	si, ilailiiliabie gas,
		Package	inquiu.oto		
Size (L*W*H)			480*310*200mm		
· · · · · · · · · · · · · · · · · · ·	0.12			7.5.40	
Weight	9 K	J		7.5 KG	

		Technical Spec	ifications		
Model	HSPH7500H	HSPH9200H	HSPH11KH	HSPH13KH	HSPH15KH
		Solar In	put		
Max Voc Voltage			800V		
Min Vmp Voltage			400V		
Recommend Vmp Voltage			DC Input<750Voc (Only S C Input<700Voc (Hybrid F		
Max MPPT Efficiency			99%		
Max Input Current	26A	33A	35A	44A	48A
Number Of Strings	2				
Note	Automa	tic MPPT Function to Iden	tify the Voc and Vmp of S	solar Panel, no need progra	amming
		AC Inp	ut		
Voltage			3 Phase 380/400/440V		
Rated Input Current	17.3A	21A	25A	29A	32A
Hybrid Mode	AC supplement	nt automatic when solar lo	w power and AC disconne	ect automatic while solar po	ower recovery
		AC Output For Pump( A	C Induction Motor)		
lax Adapted AC Pump Horse Power	10HP	12.5 HP	15 HP	17.5 HP	20HP
ax 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 Char	acters		
Max Efficiency			97%		
rater level Sensor(well / tank)		97% 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 Env	iornment		
Operating environment temperature			°C, Above 60°C need to de	erate load	
Max Humidity		95%RH			
Using altitude	< 3000m, Above 3000m need to derate load				
Others	Prohibiting the in	stallation location: direct s	unlight, thick dust, corrosi	ve gas or oil mist, flammab	ole gas, liquid.etc
		Packag	le		
Size (L*W*H)			500*350*220mm		
Weight	9.5KG		10	KG	

	Technical Specifications		
Model	HSPH18.5KH	НЅРН22КН	
	Solar Input		
Max Voc Voltage	800V		
Min Vmp Voltage	400V		
Recommend Vmp Voltage	500Vmp <dc (hybrid="" (only="" 540vmp<dc="" input)="" input)<="" input<700voc="" input<750voc="" power="" solar="" td=""></dc>		
Max MPPT Efficiency		99%	
Max Input Current  Number Of Strings	61A	71A 4	
Note	Automatic MPPT Function to Identify the Vo	oc 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 M		
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		400/440V	
Max Output frequency		program range 15 to 60Hz)	
Rated Output Current	40A Other Characters	46A	
Max Efficiency		97%	
Water level Sensor(well / tank)		Yes	
4G/Wifi Monitor&Controller	0	ptional	
Display	LCI	D display	
Waterproof		IP65	
Noise	<	50dB	
Cooling Method	Force Cooli	ing 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 Enviornment		
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		
Ci (1 *\A/*! 1\	Package 540*2	95*220mm	
Size (L*W*H)		85*220mm	
Weight	16KG	18 KG	

Technical Specifications				
Model	HSPH26KH	HSPH30KH	HSPH37KH	
		Solar Input		
Max Voc Voltage		800V		
Recommend Vmp Voltage	500Vmp <dc (hybrid="" (only="" 540vmp<dc="" input)="" input)<="" input<700voc="" input<750voc="" power="" solar="" td=""></dc>			
Max MPPT Efficiency		99%		
Max Input Current	81A	91A	100A	
Number Of Strings		5		
Note	Automatic MPPT Fund	ction to Identify the Voc and Vmp of Solar Pa  AC Input	anel, no need programming	
Voltage		3 Phase 380/400/440V		
Rated Input Current	53A	61A	76A	
Hybrid Mode		hen solar low power and AC disconnect auto	i i	
,		Pump( AC Induction Motor)		
Max Adapted AC Pump Horse			50 HP	
Power	35HP	40 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	
	Otl	her 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)			
	Opera	nting Enviornment		
perating 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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