



## Smart:

Full automatic design, no need programming , easy install , operate & maintain  
GPRS or SPMCS remote control via mobile or computer

## Efficient:

30% more water output with advanced inverter control algorithm  
Maximum power point tracking efficiency reach 99% with advanced MPPT algorithm  
Good ROI (Return on Investment) against diesel powered pumping

## Reliable:

Hybrid function – support solar power, grid power/generator dual input.  
Multi power sources work as complementary to achieve system working 24 hours per day

## Comprehensive Protections:

DC Input Anti-reverse  
Solar Low power  
AC Input/Output Phase lost(3Phase)  
AC Output Short Circuit

AC Output Over Current  
AC Output Unbalance (3Phase)  
Over Load  
Dry run protection By sensor/ software  
Water Over Flow of Tank

# Specification

Model		HSPH1500L	HSPH2200L	HSPH3700L	HSPH5500L	HSPH7500L
Solar Panel DC Input	Max Voc Voltage	450V			500V	
	Min Vmp Voltage	200V				
	Recommend Vmp Voltage	300V (Only Solar), 340V (Hybrid Power)				
	Max MPPT Efficiency	99%				
	Max Input Current	12 A	15 A	26 A	31 A	40 A
	Number Of Strings	1	1	2	2	2
	Over load Power	3000W	3800W	6300W	9300W	12KW
	Note	Automatic MPPT Function to Identify the Voc and Vmp of Solar Panel,without programming				
Hybrid AC/Generator Input	Voltage	1 Phase 220/240V			3 Phase 220/240V	
	Max Input Current	14 A	18 A	29 A	25 A	32 A
	Hybrid Mode	Automatic .AC supplement automatic while solar is in low power mode and AC disconnect automatic while solar power recovery				
AC Output (For Pump, Rerator, Fan Parameters)	Max Adapted AC Pump Horse Power	2 HP	3 HP	5 HP	7.5 HP	10HP
	Max Adapted AC Pump Power	1500W	2200W	3700W	5500W	7500W
	Drive Mode	Single Phase(1 phase) and 3Phase(compatibility) Variable Frequency Drive				
	Max Output voltage	220/240V				
	Max Output frequency	50 ~ 60 Hz (support program range 15 to 60Hz)				
	Max Output Current	15 A	21 A	28.5 A	32 A	45 A
Max Efficiency		97%				
Water Level Sensor(Borehole / Tank)		Yes				
GPRS SMS Monitor&Controller		YES(Optional)				
Support Remote Monitoring & Control System (SPMCS)		YES(Optional)				
Display		LCD display				
Waterproof		P65				
Noise		< 50 dB				
Cooling Method		Force Cooling by Fan (P68)				
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				
Package	Size	550*350*285MM				
	Weight	14KG	14KG	15KG	18KG	18KG

