



Peak efficiency **98%**



Alluminium alloy die casting



Easy to install and service



Max D.C. Overland **40%**



Pilote your home consumption



TECHNICAL DATA

MODEL	HPS-3000L	HPS-3680	HPS-4000	HPS-5000	HPS-6000	HPS-6500
INPUT / DC						
Max. PV Power/Wp	5152		6160	7000	7800	8125
Max. Input Voltage/V	600					
MPP Voltage Range/V	80-520				80-550	
Start Up Voltage/V	70					
Nominal DC-Input Voltage/V	360					
Max. Input Current/A	13/13					
Max. DC Short Circuit Current/A	20/20					
No. of Independent MPPT Inputs	2					
No. of PV Strings per MPPT						
OUTPUT /AC						
Rated Power/ W	3000	3680	4000	5000	6000	6500
Max. Apparent AC Power/ VA	3300	3680	4400	5000	6000	6600
Rated Grid Voltage/ Vac	220/230/240				80-550	
Grid Connection	L-N-PE					
Rated Power Frequency / Hz	50/60					
Max. Output Current / A	15	16	20	23	27.3	29.6
Power Factor	0.8ind to 0.8cap					
THDi@ Rated Power	<3%					
EFFICIENCY						
Max. Efficiency	97.8%	97.9%			98.0%	
Euro. Efficiency	97.3%	97.4%			97.5%	
M PPT Efficiency	>99.9%					
PROTECTION FUNCTION						
Anti-Islanding Protection	Integrated					
Input Reverse Polarity Protection	Integrated					
Insulation Resistance Detection	Integrated					
Residual Current Monitoring	Integrated					
Output Over Current Protection	Integrated					
Output Short Circuit Protection	Integrated					
Over Voltage Protection	II (DC), III (AC)					
Surge Protection	DC: Optional / AC: Type II					

TECHNICAL DATA

MODEL	HPS-3000L	HPS-3680	HPS-4000	HPS-5000	HPS-6000	HPS-6500
GENERAL DATA						
Dimensions (W'WD) / mm	395'328'154					
Weight/ kg	9.8			10		
Noise Emission (Typical) / dB(A)	<20					
User Interface	LCD&LED or LED					
DC Connection Type	MC4 (SUNCLIX, H4 optional)					
AC Connection Type	Plug-in Connector					
Communication	RS485/WiFi/GPRS (optional)					
Cooling Method	Natural Cooling					
Operating Ambient Temperature/C'	-25--+60					
Relative Humidity	0%to100%					
Max.Operating Altitude/m	3000 (>3000 Derating)					
Protection Class (IEC 60529)	IP65					
Climatic Category (IEC 60721-3-4)	4K4H					
Topology	Transformerless					
Factory location	by Hypo in PRC					
Night Consumption / W	<1					

I'M SAFE[®] WARRANTY

You are 2 times more protected

The Serenity guarantee

The Serenity Guarantee protects you against all mechanical, meteorological, fire and theft risks. All I'M.SOLAR[®] inverters are covered by this insurance for 5 years. You can rest assured that you are covered against any unforeseen and sudden damage to your equipment.

The Quality guarantee

All I'M.SOLAR[®] inverters come with a manufacturer's warranty. This manufacturer's guarantee covers all manufacturing defects, quality defects and operating faults for a specific period. The manufacturer's guarantee is 10 years.