



Peak efficiency **97.9%**



Easy to install and service



Max D.C. Overland **60%**



Alluminium alloy die casting



Energy management



Pilote your home consumption



TECHNICAL DATA

MODEL	HHS-3000	HHS-3680	HHS-5000	HHS-6000
INPUT / DC				
Max. PV Power/Wp	4950	5520	7500	9600
Max. Input Voltage/V	600			
MPP Voltage Range/V	80-520			
Min. Input 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 to grid / W	3000	3680	5000	6000
Max. Apparent AC Power to grid / VA	3300	3680	5500	6600
Max. Apparent AC Power from grid / VA	6600	7360	8500	10000
Rated Grid Voltage/ Vac	220/230/240			
Grid Connection	L/N/PE			
Rated Power Frequency / Hz	50/60			
Max. Output Current to grid / A	15.0	16.0	23.0	27.3
Max. AC Current from grid / A	30.0	32.0	36.0	40.0
Power Factor	0.8ind to 0.8cap			
THDi@ Rated Power				
AC OUTPUT (BACK-UP)				
Rated Power/ W	3300	3680	5000	6000
Peak Apparent Output Power @60" / VA	3960	4416	6000	7200
Rated Power Frequency / Hz	50/60			
Max.Output Current / A	15.0	16.0	23.0	27.3
Automatic Switch Time / ms	<10			
Nominal Output Voltage/ V	230			
Nominal Output Frequency / Hz	50/60			
THDv @ Linear Load	<3%			

TECHNICAL DATA

BATTERY INPUT

Battery Type	Li-ion
Battery Voltage Range/ V	80-480
Start Up Voltage/ V	70
Max. Charging/Discharging Current / A	25/25
Charging Strategy for Li-Ion Battery	Auto-adaption to BMS

EFFICIENCY

PV Max. Efficiency	97.9%
PV Euro. Efficiency	97.4%
PV Max. MPPT Efficiency	99.9%
Max. Charging Efficiency@ PV->Battery	98.0%
Charging Strategy for Li-Ion Battery	97.0%

PROTECTION FUNCTION

Anti-Islanding Protection	Integrated	Residual Current Monitoring	Integrated	Over Voltage Protection	II (DC), III (AC)
PV Input Reverse Polarity Protection	Integrated	Output Over Current Protection	Integrated	Surge Protection	DC: Optional / AC: Type II
Insulation Resistance Detection	Integrated	Output Short Circuit Protection	Integrated	Battery Reverse Polarity Protection	Integrated

GENERAL DATA

Dimensions (W*WD) / mm	425*351*160	AC Connection Type	Plug-in Connector	Relative Humidity	0%to100%
Weight/ kg	13.8	Communication with Cloud	WiFi/4G (optional)	Max. Operating Altitude/ m	3000 (>3000 Derating)
Noise Emission (Typical) / dB(A)	<25	Communication with BMS	CAN/RS485	Protection Class (IEC 60529)	IP65
User interface	LED&LCD	Communication with Power Meter	RS485	Climatic Category (IEC 60721-3-4)	4K4H
DC connection type	MC4	Cooling method	Natural cooling	Topology	Transformerless
Battery Connection Type	SUNCLIX	Operating Ambient Temperature / C°	-25- +60	Night Consumption / W	<5

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.