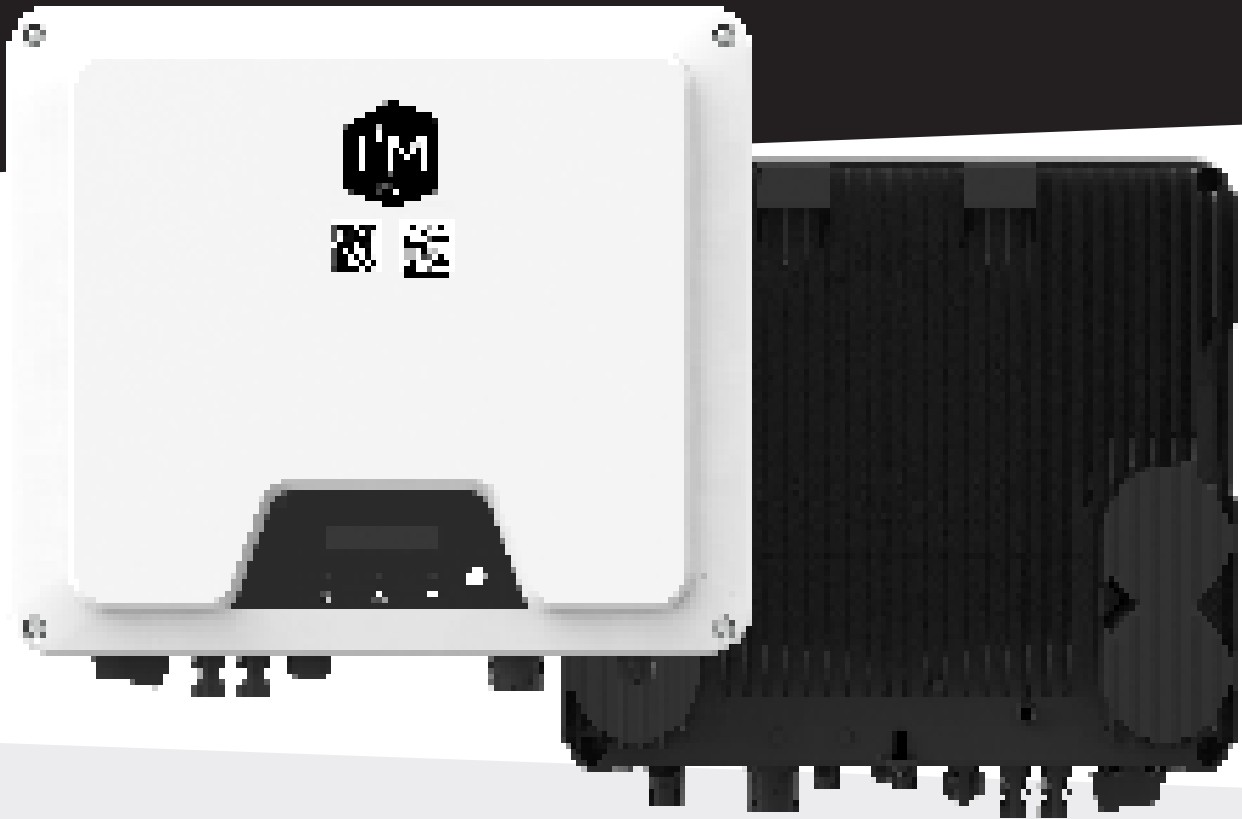




# I'M SOLAR INVERTER HHT

Three phases Hybrid 5-12K



Peak efficiency **98.2%**



Easy to install and service



Max D.C. Overland **50%**



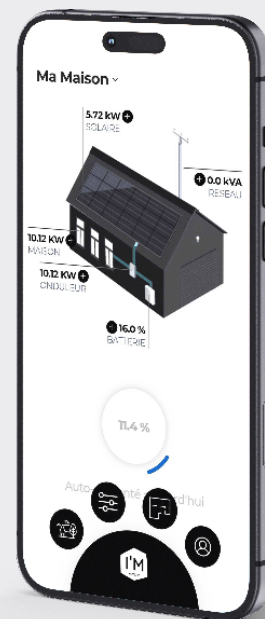
Aluminium alloy die casting



Energy management



Pilote your home consumption



## TECHNICAL DATA

MODEL	HHT-5000	HHT-6000	HHT-8000	HHT-10000	HHT-12000
OUTPUT (AC TO GRID)					
Rated Power to grid / W	5000	6000	8000	10000	12000
Max. Apparent AC Power to grid / VA	5500	6600	8800	11000	13200
Max. Apparent AC Power from grid / VA	10000	12000	15000		18000
Rated Grid Voltage/ Vac	380/400				
Grid Connection	3 / 3L-N-PE				
Rated Power Frequency / Hz	50/60				
Max. Output Current to grid / A	8.5	10.0	13.5	16.0	20.0
Max. AC Current from grid / A	17	20	23		29
Power Factor	0.8ind to 0.8cap				
THDi@ Rated Power	2 <3%				
AC OUTPUT (BACK-UP)					
Rated Power/ W	5000	6000	8000	10000	12000
Peak Apparent Output Power @60" / VA	10000	12000	15000		
Rated Power Frequency / Hz	50/60				
Max.Output Current / A	8.5	10.0	13.5	16.0	20.0
Automatic Switch Time / ms	<10				
Nominal Output Voltage/ V	380/400				
Nominal Output Frequency / Hz	50/60				
THDv @ Linear Load	<3%				
EFFICIENCY					
PV Max. Efficiency	98.0%		98.2%		
M PPT Efficiency	99.9%				
Euro Efficiency	97.3%			97.4%	
Charging Efficiency (PV-> Battery)	98.5%				
Max. Charging/Discharging Efficiency (Grid/Loads <-> Battery)	97.6%				
BATTERY INPUT DATA					
Battery Type	Lithium	Max. Charging/Discharging Current / A			25/25
Battery Voltage Range/ V	160-800	Charging Strategy for Li-Ion Battery		Selfadaption to BMS	

## TECHNICAL DATA

### INPUT /DC

Max. PV Power/ Wp	HHT-5000	7500	Max.Input Voltage/ V	1000	Max.Input Current / A	16/16
	HHT-6000	9000	MPP Voltage Range/ V	150-850	Max. DC Short Circuit Current /A	20/20
	HHT-8000	12000	Min.Input Voltage/ V	100	No. of Independent MPPT Inputs	2
	HHT-10000	15000	Start Up Voltage/ V	145	No. of PV Strings per MPPT	1/1
	HHT-12000	18000	Nominal DC-Input Voltage/ V	620		

### PROTECTION FUNCTION

Anti-Islanding Protection	Integrated	Residual Current Monitoring	Integrated	Over Voltage Protection	Integrated
Input Reverse Polarity Protection	Integrated	Output Over Current Protection	Integrated	Surge Protection	DC: Type II AC: Type II
Insulation Resistance Detection	Integrated	Output Short Circuit Protection	Integrated	Battery Reverse PolarityProtection	Integrated

### GENERAL DATA

Dimensions (W•WD) / mm	425•351•200	AC Connection Type	Plug-in Connector	Relative Humidity	0%to100%
Weight/ kg	22	Communication with Cloud	WiFi/4G (optional)	Max. Operating Altitude/ m	2000 (>2000 Derating)
Noise Emission (Typical) / dB(A)	<40	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	<13

## 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.