

everything<sup>+</sup>

# HPS

7-10.5KT  
SINGLE PHASE 2/3MPPTS



▶ Peak Efficiency  
**98 %**

📅 Max. DC Overload  
**50 %**

🗨️ Aluminum Alloy  
Die Casting

💬 MES + FCT + CRM  
Infrastructure

⚙️ Easy to Install and  
Service

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MODEL	HPS-7000	HPS-8000	HPS-9000T	HPS-10000T	HPS-10500T
<b>PV INPUT</b>					
Max. PV Power / W	10500	12000	13500	15000	15000
Max. Input Voltage / V	600	600	600	600	600
MPP Voltage Range / V	80-550	80-550	80-550	80-550	80-550
Start Up Voltage / V	70	70	70	70	70
Rated Input Voltage / V	360	360	360	360	360
Max. Input Current / A	26/13	26/13	16/16/16	16/16/16	16/16/16
Max. Short Circuit Current / A	40/20	40/20	20/20/20	20/20/20	20/20/20
No. of MPPTs/No. Strings Per MPPT	2/(2+1)	2/(2+1)	3/1	3/1	3/1
<b>AC OUTPUT</b>					
Rated Power / W	7000	8000	9000	10000	10500@230V 10100@220V
Max. Apparent Power / VA	7700	8500	9900	10000	10500@230V 10100@220V
Rated Grid Voltage / V	220/230/240	220/230/240	220/230/240	220/230/240	220/230/240
Grid Connection	L-N-PE	L-N-PE	L-N-PE	L-N-PE	L-N-PE
Rated Power Frequency / Hz	50/60	50/60	50/60	50/60	50/60
Max. Output Current / A	33.5	37.0	45.0	45.5	46.0
Power Factor	0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap	0.8ind - 0.8cap
THDi @ Rated Power	<3%	<3%	<3%	<3%	<3%
<b>EFFICIENCY</b>					
Max. Efficiency	98.0%	98.0%	98.0%	98.0%	98.0%
Euro. Efficiency	97.5%	97.5%	97.6%	97.6%	97.6%
MPPT Efficiency	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%
<b>PROTECTION FUNCTION</b>					
Anti-Islanding Protection	Integrated				
PV String Input Reverse Polarity Protection	Integrated				
Insulation Resistance Detection	Integrated				
Residual Current Monitoring Unit	Integrated				
Output Over Current Protection	Integrated				
Output Short Circuit Protection	Integrated				
Over Voltage Protection	DC: II/AC: III				
Surge Protection	DC:Optional/AC:Type II				
<b>GENERAL DATA</b>					
Dimensions (W*H*D) / mm	425*351*160				
Weight / kg	13	13	14	14	14
User Interface	LCD&LED				
PV Connection Type	MC4 (D4, SUNCLIX, H4 optional)				
AC Connection Type	Plug-in Connector				
Communication with Cloud	RS485/Wi-Fi/4G/LAN (optional)				
Cooling Method	Natural Cooling				
Operating Ambient Temperature / °C	-25 ~ +60				
Relative Humidity / %	0-100				
Max. Operating Altitude / m	3000 (>3000 Derating)				
Protection Class	IP65				
Climatic Category (IEC 60721-3-4)	4K4H				
Topology	Transformerless				
Night Consumption / W	<1				