

1.6-2KW SINGLE PHASE 4MPPTS



EN 20250610



MODEL

HMS-1600W

HMS-1800W

HMS-2000W

PV INPUT

Recommended Power of PV Modules / W	320-500	360-565	400-600
Max. Input Voltage / V	60	60	60
MPP Voltage Range / V	25-55	25-55	25-55
Start Up Voltage / V	16	16	16
Max. Input Current / A	15/15/15/15	15/15/15/15	15/15/15/15
Max. Short Circuit Current / A	20/20/20/20	20/20/20/20	20/20/20/20

AC OUTPUT

Rated Power / W	1600	1800	2250
Rated Grid Voltage / V	220/230/240	220/230/240	220/230/240
Grid Connection	L-N-PE	L-N-PE	L-N-PE
Rated Grid Frequency / Hz	50/60	50/60	50/60
Max. Output Current / A	7.27/6.96/6.67	8.18/7.83/7.50	10.22/9.78/9.37
Power Factor	>0.99	>0.99	>0.99
THDi @ Rated Power	<3%	<3%	<3%
Max. Units Per Branch	4/4/4	3/4/4	3/3/3

EFFICIENCY

Max. Efficiency	96.5%	96.5%	96.5%
MPPT Efficiency	>99.9%	>99.9%	>99.9%

PROTECTION FUNCTION

Anti-Islanding Protection	Integrated	Integrated	Integrated
PV String Input Reverse Polarity Protection	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated
Output Short Circuit Protection	Integrated	Integrated	Integrated
Over Voltage Protection	Integrated	Integrated	Integrated

GENERAL DATA

Dimensions (W*H*D) / mm	342*237*48.5 (Not include handle)	342*237*48.5 (Not include handle)	342*237*48.5 (Not include handle)
Weight / kg	6.8	6.8	6.8
Noise Emission (Typical) / dB(A)	20	20	20
User Interface	LED	LED	LED
PV Connection Type	Mc4	Mc4	Mc4
AC Connection Type	Plug-in Connector	Plug-in Connector	Plug-in Connector
Communication with Cloud	Wi-Fi	Wi-Fi	Wi-Fi
Cooling Method	Natural Cooling	Natural Cooling	Natural Cooling
Operating Ambient Temperature / °C	-40 ~ +65	-40 ~ +65	-40 ~ +65
Relative Humidity / %	0 ~ 100	0 ~ 100	0 ~ 100
Max. Operating Altitude / m	3000 (>3000 Derating)	3000 (>3000 Derating)	3000 (>3000 Derating)
Protection Class	IP67	IP67	IP67
Climatic Category (IEC 60721-3-4)	4K4H	4K4H	4K4H
Topology	High Frequency Isolated	High Frequency Isolated	High Frequency Isolated
Night Consumption / W	<50mW	<50mW	<50mW