

600-800W SINGLE PHASE 2MPPTS



HYPON.COM
 © HYPONTECH SOLAR ENERGIZING FUTURE

EN 20250410

MODEL	HMS-600W	HMS-800W
PV INPUT		
Recommended Power of PV Modules / W	320-450	360-450
Max. Input Voltage / V	60	60
MPP Voltage Range / V	25-55	25-55
Start Up Voltage / V	16	16
Max. Input Current / A	15/15	15/15
Max. Short Circuit Current / A	20/20	20/20
AC OUTPUT		
Rated Power / W	600	800
Rated Grid Voltage / V	220/230/240	220/230/240
Grid Connection	L-N-PE	L-N-PE
Rated Grid Frequency / Hz	50/60	50/60
Max. Output Current / A	2.7	3.6
Power Factor	>0.99	>0.99
THDi @ Rated Power	<3%	<3%
Max. Units Per Branch	7	5
EFFICIENCY		
Max. Efficiency	96.5%	96.5%
MPPT Efficiency	>99.9%	>99.9%
PROTECTION FUNCTION		
Anti-Islanding Protection	Integrated	Integrated
PV String Input Reverse Polarity Protection	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated
Output Short Circuit Protection	Integrated	Integrated
Over Voltage Protection	Integrated	Integrated
Surge Protection	DC Type II, AC Type III	DC Type II, AC Type III
GENERAL DATA		
Dimensions (W*H*D) / mm	230*190*46.5 (Not include handle)	230*190*46.5 (Not include handle)
Weight / kg	3.5	3.5
Noise Emission (Typical) / dB(A)	20	20
User Interface	LED	LED
PV Connection Type	D4	D4
AC Connection Type	Plug-in Connector	Plug-in Connector
Communication with Cloud	Wi-Fi	Wi-Fi
Cooling Method	Natural Cooling	Natural Cooling
Operating Ambient Temperature / °C	-40 ~ +65	-40 ~ +65
Relative Humidity / %	0 - 100	0 - 100
Max. Operating Altitude / m	3000 (>3000 Derating)	3000 (>3000 Derating)
Protection Class	IP67	IP67
Climatic Category (IEC 60721-3-4)	4K4H	4K4H
Topology	High Frequency Isolated	High Frequency Isolated
Night Consumption / W	<0.05	<0.05