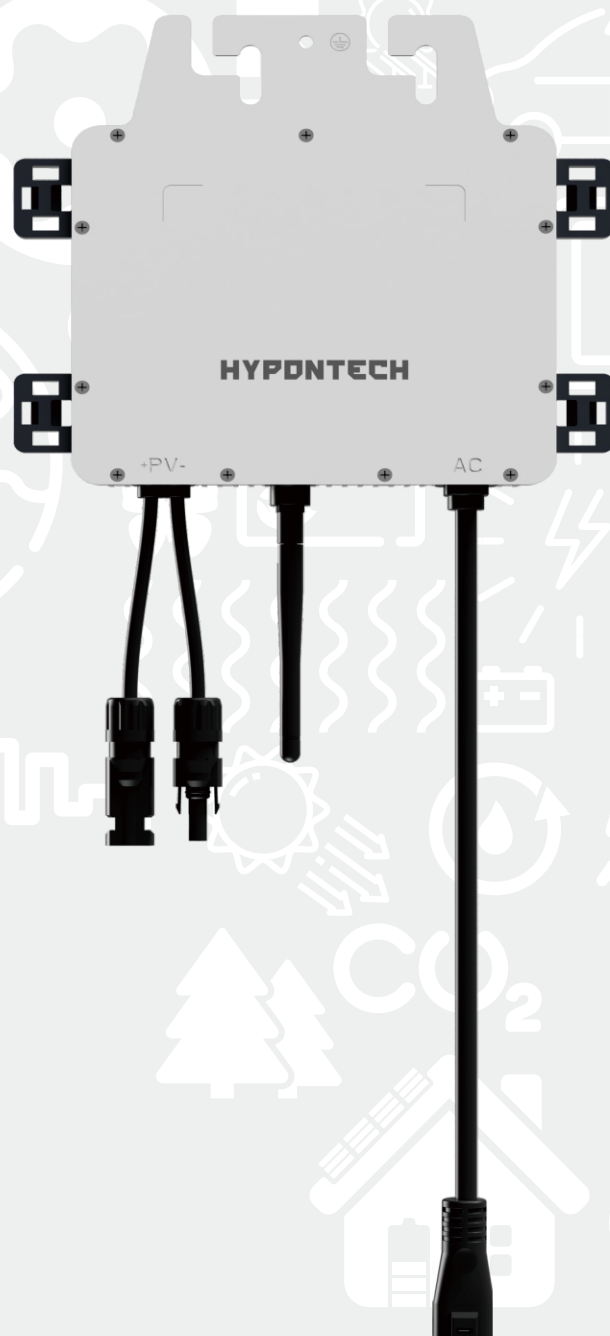


micro⁺

HMS

350-500W
SINGLE PHASE 1MPPT



 **Peak Efficiency**
96.5 %

 **Maximum 15A**
PV Input Current

 **Protection Class**
IP67

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MODEL	HMS-350W	HMS-400W	HMS-450W	HMS-500W
PV INPUT				
Recommended power of PV modules / W	320~470 (1 Piece)	350~540	400~600	450~600
Max.input voltage / V	60	60	60	60
Start up voltage / V	16	16	16	16
MPP voltage range / V	25~55	25~55	25~55	25~55
Max. input current / A	15	15	15	15
Max. short current / A	20	20	20	20
AC OUTPUT				
Rated AC power / W	350	400	450	500
Rated grid frequency / Hz	50/60	50/60	50/60	50/60
Rated grid voltage / V	220/230/240	220/230/240	220/230/240	220/230/240
Max.AC output current / A	1.59/1.52/1.46	1.82/1.74/1.67	2.05/1.96/1.86	2.27/2.17/2.08
Power factor	>0.99	>0.99	>0.99	>0.99
Total harmonic distortion(THDi, rated power)	<3%	<3%	<3%	<3%
Grid connection	L-N-PE	L-N-PE	L-N-PE	L-N-PE
Maximum units per branch (10AWG)	15	13	12	11
Maximum units per branch (12AWG)	12	10	9	8
EFFICIENCY				
MPPT efficiency	>99.9%	>99.9%	>99.9%	>99.9%
Max. efficiency	96.5%	96.5%	96.5%	96.5%
PROTECTION				
Anti-islanding protection	Integrated	Integrated	Integrated	Integrated
PV string input reverse polarity protection	Integrated	Integrated	Integrated	Integrated
Output over current protection	Integrated	Integrated	Integrated	Integrated
Output short protection	Integrated	Integrated	Integrated	Integrated
Over voltage protection	Integrated	Integrated	Integrated	Integrated
GENERAL				
Dmensions(W*H*D) / mm	230*196*32.5	230*196*32.5	230*196*32.5	230*196*32.5
Weight / Kg	1.8	1.8	1.8	1.8
Noise emmison / dB	20	20	20	20
User interface	LED	LED	LED	LED
DC connection type	D4	D4	D4	D4
AC connection type	Plug-in Connector	Plug-in Connector	Plug-in Connector	Plug-in Connector
Communication	Wi-Fi	Wi-Fi	Wi-Fi	Wi-Fi
Cooling method	Natural	Natural	Natural	Natural
Operating ambient temperature range / °C	-40~+65	-40~+65	-40~+65	-40~+65
Allowable relative humidity range / %	0 - 100	0 - 100	0 - 100	0 - 100
Max. operating altitude / m	3000 (>3000 Derating)	3000 (>3000 Derating)	3000 (>3000 Derating)	3000 (>3000 Derating)
Degree of protection	IP67	IP67	IP67	IP67
Climatic category (IEC 60721-3-4)	4K4H	4K4H	4K4H	4K4H
Topology	High frequency isolated	High frequency isolated	High frequency isolated	High frequency isolated
Power consumption at night / W	<0.05	<0.05	<0.05	<0.05