

GOODWE

A-MS Series

(North America only)

5-9.6kW | Split Phase | Up to 4 MPPTs

The A-MS is an inverter of the highest quality and we take great pride in it. This product was conceived to be a solid element of your residential array for the long term. Put your faith and confidence in its quality, its extended warranty of 10 years and GoodWe will be on your side for any issue along the way.



Compatible with Bifacial Panels



150% DC Input Oversizing



4 MPPTs with Max. Efficiency 97.6%



Integrated AFCI & Rapid Shutdown

Technical Data	GW5000A-MS	GW6000A-MS	GW7000A-MS	GW7600A-MS	GW8600A-MS	GW9600A-MS
PV Input						
Max. Input Power (W)	7500	9000	10500	11400	12900	15000
Max. Input Voltage (V) ^{*1}	600					
MPPT Operating Voltage Range (V)	80 ~ 550					
Start-up Voltage (V)	150					
Nominal Input Voltage (V)	380					
Max. Input Current per MPPT (A)	12.5					
Max. Short Circuit Current per MPPT (A)	15.2					
Number of MPP Trackers	2	2	4	4	4	4
Number of Strings per MPPT	1					
AC Output						
Nominal Apparent Power Output to Utility Grid (VA)	5000 / 5000	6000 / 6000	7000 / 7000	7600 / 7600	8600 / 8600	9600 / 9600
Max. Apparent Power Output to Utility Grid (VA)	5000	6000	7000	7600	8600	9600
Nominal Output Voltage (V)	208 / 240					
Output Voltage Range (V)	211 ~ 264@240 / 183 ~ 229@208					
Nominal AC Grid Frequency (Hz)	60					
Max. AC Current Output to Utility Grid (A)	20.8	25.0	29.2	31.7	35.8	40.0
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)					
Max. Total Harmonic Distortion	<3%					
Efficiency						
Max. Efficiency	97.6%					
CEC Efficiency	97.3%@240 / 97.0%@208	97.4%@240 / 97.0%@208	97.1%@240 / 96.6%@208	97.1%@240 / 96.7%@208	97.1%@240 / 96.7%@208	97.1%@240 / 96.7%@208
MPPT Efficiency	99.9%					
Protection						
PV Insulation Resistance Detection	Integrated					
Residual Current Monitoring	Integrated					
PV Reverse Polarity Protection	Integrated					
Anti-islanding Protection	Integrated					
AC Overcurrent Protection	Integrated					
AC Overvoltage Protection	Integrated					
AFCI	Integrated					
General Data						
Operating Temperature Range	-31°F ~ +140°F (-35°C ~ +60°C)					
Relative Humidity	0 ~ 95%					
Max. Operating Altitude	13123ft (4000m)					
Cooling Method	Natural Convection			Smart Fan Cooling		
User Interface	LED, APP					
Communication with Portal	WiFi, LAN (Optional)					
Weight	62.8lb (28.5kg)	62.8lb (28.5kg)	70.5lb (32kg)	70.5lb (32kg)	70.5lb (32kg)	70.5lb (32kg)
Dimension (W × H × D)	16.3 × 31.1 × 6.9 in (415 × 791 × 175 mm)					
Topology	Non-isolated					
Self-consumption at Night (W)	<20					
Ingress Protection Rating	Type 4X					
Mounting Method	Wall Mounted					
Certification						
Grid Interconnection	UL1741 SA, California Rule 21, HECO Rule 14, IEEE 1547, IEEE 1547.1					
Safety Regulations	UL 1741, CSA 22.2 No. 107-01, UL 1998, UL1699B					
Electromagnetic Compatibility	FCC part15 CLASS B					

*1: Inverter will not work when PV input voltage ≥ 585V.
 *: Please visit GoodWe website for the latest certificates.