

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
Input						
Max. Input Voltage (V)*1	600	600	600	600	600	600
MPPT Operating Voltage Range (V)	80 ~ 550	80 ~ 550	80 ~ 550	80 ~ 550	80 ~ 550	80 ~ 550
Start-up Voltage (V)	150	150	150	150	150	150
Nominal Input Voltage (V)	380	380	380	380	380	380
Max. Input Current per MPPT (A)	12.5 / 12.5	12.5 / 12.5	12.5 / 12.5 / 12.5 / 12.5			
Max. Short Circuit Current per MPPT (A)	15.2 / 15.2	15.2 / 15.2	15.2 / 15.2 / 15.2 / 15.2			
Number of MPPTs	2	2	4	4	4	4
Number of Strings per MPPT	1 / 1	1 / 1	1 / 1 / 1 / 1	1 / 1 / 1 / 1	1 / 1 / 1 / 1	1 / 1 / 1 / 1
Output						
Nominal AC Grid Frequency (Hz)	60	60	60	60	60	60
Nominal Output Apparent Power (VA)	5000 / 5000	6000 / 6000	7000 / 7000	7600 / 7600	8600 / 8600	9600 / 9600
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)					
Max. Total Harmonic Distortion	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency						
Max. Efficiency	97.6%	97.6%	97.6%	97.6%	97.6%	97.6%
Protection						
PV Insulation Resistance Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overcurrent Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
General Data						
Operating Temperature Range (°C)	-35 ~ +60					
Relative Humidity	0 ~ 95%	0 ~ 95%	0 ~ 95%	0 ~ 95%	0 ~ 95%	0 ~ 95%
Max. Operating Altitude (m)	4000					
Cooling Method	Natural Convection	Natural Convection	Intelligent Fan	Intelligent Fan	Intelligent Fan	Intelligent Fan
Display	LED, APP	LED, APP	LED, APP	LED, APP	LED, APP	LED, APP
Communication	Wi-Fi or LAN (Optional)					
Communication Protocols	SunSpec Compliant					
Weight (kg)	28.5	28.5	32.0	32.0	32.0	32.0
Dimension W × H × D (mm)	415 × 791 × 175	415 × 791 × 175	415 × 791 × 175	415 × 791 × 175	415 × 791 × 175	415 × 791 × 175
Noise Emission (dB)	<30	<30	<45	<45	<45	<45
Self-consumption at Night	<20	<20	<20	<20	<20	<20
Ingress Protection Rating	NEMA Type 4X	NEMA Type 4X	NEMA Type 4X	NEMA Type 4X	NEMA Type 4X	NEMA Type 4X

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