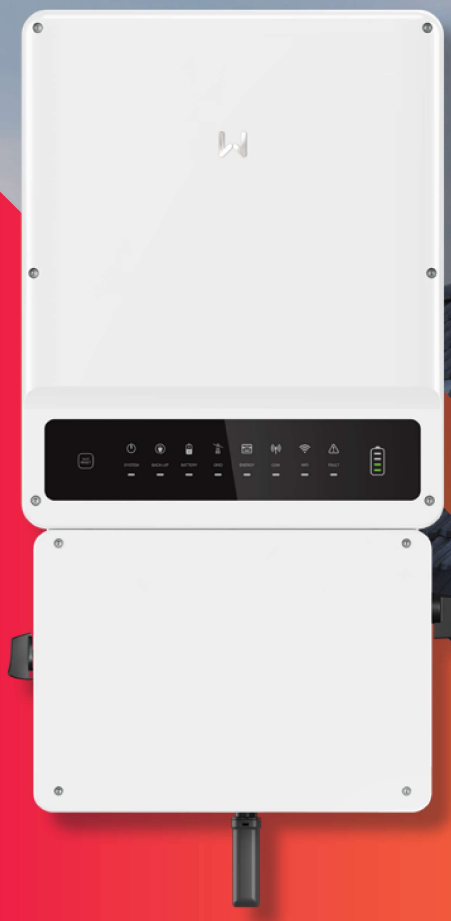
GOODWE



POWER WHENEVER YOU NEED

GoodWe North America Products Catalogue

GOODWE COMPANY PROFILE

GoodWe is a leading, strategically-thinking enterprise which focuses on the research and manufacturing of PV inverters and energy storage solutions. With an accumulative installation of 23 GW installed in more than 100 countries, GoodWe solar inverters have been widely used in residential and commercial rooftops, industrial and utility scale systems, ranging from 0.7kW to 250kW. GoodWe inverters offer reliable operation and excellent performance and are well recognized by customers worldwide. GoodWe's philosophy is to always create win-win partnerships with customers by identifying and integrating the most advanced components and maufacturing techniques available while offering an unparalleled after-sales service.

Technological innovation is GoodWe's main core competence. With an in-house R&D team of approx. 500 employees in two R&D centers, GoodWe can offer a comprehensive portfolio of products and solutions for residential, commercial and utility scale PV and storage systems, ensuring that performance and quality go hand-in-hand across the entire range.

GoodWe has set up an integrated service system for pre-sales, in-sales and after-sales and has established service centers worldwide, aiming to offer global support to all customers including project consulting, technical training, on-site support and after-sales service.

25 GW Production Capacity

15 Hectare Lands

2 Plants (Suzhou & Guangde)

130+ Patents

2 R&D Centers

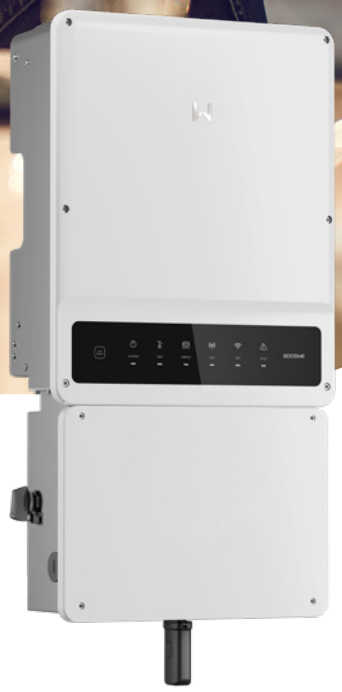
500+ R&D Staff Approx.

GOODWE

A-MS Series

(North America only)
5-9.6kW I up to 4 MPPTs I Split-phase

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
- Low Start-up Voltage 95V
- 4 MPPTs
- 150% DC Input Oversizing
- AFCI & Rapid Shutdown

A-MS Series

GOODWE

Technical Data	GW5000A-MS	GW6000A-MS	GW7000A-MS	GW7600A-MS	GW8600A-MS	GW9600A-MS
PV String Input Data						
Max. DC Input Power (W)	7500	9000	10500	11400	12900	15000
Max. DC Input Voltage (V)*1	600	600	600	600	600	600
MPPT Range (V)	80~550	80~550	80~550	80~550	80~550	80~550
Start-up Voltage (V)	95	95	95	95	95	95
MPPT Range for Full Load (V)	300~500	360~500	210~500	230~500	260~500	300~500
Nominal DC Input Voltage (V)	380	380	380	380	380	380
Max. Input Current (A)	12.5 / 12.5	12.5 / 12.5	12.5 / 12.5 / 12.5 / 12.5			
Max. Short Current (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
AC Output Data (On-grid)						
Output Voltage Range (Vac)	211 to 264 @240 / 183 to 229 @208					
Nominal Output Frequency (Hz)	60	60	60	60	60	60
Nominal Apparent Power Output to Grid (VA)	5000 / 5000	6000 / 6000	7000 / 7000	7600 / 7600	8600 / 8600	9600 / 9600
Nominal AC Current Output to Grid (A)	20.8 / 24	25 / 28.8	29.2 / 33.6	31.7 / 36.5	35.8 / 41.3	40 / 46.1
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)					
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency						
Max. Efficiency	97.6%	97.6%	97.6%	97.6%	97.6%	97.6%
CEC Efficiency	97.5%@240	97.5%@240	97%@240	97%@240	97%@240	97%@240
	97%@208	97%@208	96.5%@208	96.5%@208	96.5%@208	96.5%@208
Protection						
PV Arc Fault Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
PV String Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
General Data						
Operating Temperature Range	-31°F~140°F (-35°C~60°C)					
Relative Humidity	0~95%	0~95%	0~95%	0~95%	0~95%	0~95%
Operating Altitude	≤13123ft (4000m)					
Cooling Method	Natural Conection	Natural Conection	Intelligent Fan	Intelligent Fan	Intelligent Fan	Intelligent Fan
Noise (dB)	<30	<30	<45	<45	<45	<45
User Interface	LED & APP	LED & APP	LED & APP	LED & APP	LED & APP	LED & APP
Communication with Portal	Wi-Fi; LAN (Optional)					
Communication with RSD	SUNSPEC	SUNSPEC	SUNSPEC	SUNSPEC	SUNSPEC	SUNSPEC
Weight	62.8lb (28.5Kg)	62.8lb (28.5Kg)	70.5lb (32Kg)	70.5lb (32Kg)	70.5lb (32Kg)	70.5lb (32Kg)
Size (Width × Height × Depth)	16.3in × 31.1in × 6.9in (415mm × 791mm × 175mm)					
Mounting	Wall Bracket	Wall Bracket	Wall Bracket	Wall Bracket	Wall Bracket	Wall Bracket
Protection Degree	NEMA Type 4X	NEMA Type 4X	NEMA Type 4X	NEMA Type 4X	NEMA Type 4X	NEMA Type 4X
Standby Self-Consumption (W)	<20	<20	<20	<20	<20	<20
Topology	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless
Certifications & Standards						
Grid Regulation	UL1741 SA, California Rule 21, HECO Rule 14, IEEE 1547, IEEE 1547.1					
Safety Regulation	UL 1741, CSA 22.2 No. 107-01, UL 1998, UL1699B					
EMC	FCC part15 CLASS B					

*1: Inverter will not work when PV input voltage ≥585V.

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