



GOODWE SINGLE-PHASE SMALL DOMESTIC INVERTER

GW2500-XS

The GoodWe XS series inverter is perfectly suited for small scale domestic households and new-build housing projects, with its lightweight construction and small footprint.

The XS series has a unique low start-up voltage, allowing for fewer panels required per inverter.

This inverter is designed to be robust and suitable for outdoor and indoor installations.



 **GOODWE**
YOUR SOLAR ENGINE



SMALL,
BUT POWERFUL



PERFECT FOR
SMALL RESIDENTIAL
INSTALLATIONS



HOW YOU BENEFIT



HIGH EFFICIENCY

With inverter efficiency of up to 97.6%, generating more power from your PV system.



WIDE MPPT RANGE

Low start up voltage allowing for fewer panels per inverter. Suitable for households with limited roof space.



SAFE OPERATION

Robust design is suitable for outdoor and indoor installations with an IP rating of IP65.



COMPACT DESIGN

Lightweight, small and robust. Natural convection cooling and quiet operation.

Technical Data

INVERTER TECHNICAL DATA		GW2500-XS
Output (AC)		
Nominal output power		2500 W
Maximum output apparent power		2750 W
AC output voltage (nominal)		220 / 230 V
Output power factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)
AC frequency		50 / 60 Hz
Maximum output current		12 A
Output THDi (@nominal output)		< 3%
Input (DC)		
Maximum DC input power		3250 W
Maximum input voltage		500 V
MPPT range		50-450 V
Start-up voltage		50 V
Nominal DC input voltage		360 V
Maximum input current / Maximum Isc		12.5 A / 15.6 A
No. of MPP trackers		1
No. of input strings per tracker		1
Efficiency		
Maximum efficiency		97.6%
Euro efficiency		97.2%
Protection		
Anti-islanding protection		Integrated
Input reverse polarity protection		Integrated
Insulation resistor detection		Integrated
Residual current monitoring unit		Integrated
Output over current protection		Integrated
Output short protection		Integrated
Output over voltage protection		Integrated
DC & AC SPD protection		Integrated (Type III)
DC Isolator		Integrated
General Data		
Operating temperature range		-25~60°C
Relative humidity		0~100%
Operating altitude		≤ 4000 m
Cooling		Natural convection
User interface		LCD & LED
Communication		RS485 or Wi-Fi (built in; antenna included)
Weight		5.8 kg
Size (W x H x D)		295 x 230 x 113 mm
Protection degree		IP65
Night self-consumption		<1 W
Topology		Transformerless
Manufacturer's warranty		10 Years [^]
Solahart Warranty		10 Years*
Certifications & Standards		
Grid regulation		AS4777.2, IEC61727, IEC62116
Safety regulation		IEC62109-1&2
EMC		EN 61000

[^] Inverter must be internet connected to GoodWe SEMS portal to receive 10 years warranty. 5 years warranty for unconnected installations. For full details see the manufacturer's warranty statement

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Specifications and designs included in this data sheet are subject to change without notice.

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Reorder code: SHDS/INVGW2.5_XS IH0113_GW2500-XS_Single Phase GoodWe Inverter_Mar 2021