

# Bring The Sun Home

## **XS Series**

Single-MPPT, Single-Phase

- A4 size
- Light weight
- 30% DC oversizing
- 10% AC overloading
- 97.6% Max. efficiency
- Lowest start-up voltage @40V



The brand new XS model from GoodWe is an ultra-small residential solar inverter specifically designed to bring comfort and quiet operation as well as high efficiency to households. Its capacity ranges from 0.7kW to 3.0kW and its most outstanding characteristic is light weight, which is only 5.8kg and as well as its extremely compact size equivalent to an A4 paper, that make it particularly easy to carry & install. Remarkably, it offers a 30% of DC input oversizing and it's able to achieve a maximum European efficiency of 97.2%. Conveniently, the communication options available on this inverter are both LAN and WiFi.

Technical Data	GW700-XS	GW1000-XS	GW1500-XS	GW2000-XS	GW2500-XS	GW3000-XS
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**PV String Input Data**

Max. DC Input Power (W)	910	1300	1950	2600	3250	3900
Max. DC Input Voltage (V)	500	500	500	500	500	500
MPPT Range (V)	40~450	40~450	50~450	50~450	50~450	50~450
Start-up Voltage (V)	40	40	50	50	50	50
Min. Feed-in Voltage(V)	50	50	75	75	75	75
Nominal DC Input Voltage (V)	360	360	360	360	360	360
Max. Input Current (A)	12.5	12.5	12.5	12.5	12.5	12.5
Max. Short Current (A)	15.6	15.6	15.6	15.6	15.6	15.6
No. of MPP Trackers	1	1	1	1	1	1
No. of Input Strings per Tracker	1	1	1	1	1	1

**AC Output Data**

Nominal Output Power (W)	700	1000	1500	2000	2500	3000
Max. Output Apparent Power (VA)	770*1	1100*1	1650*1	2200*1	2750*1	3300*1
Nominal Output Voltage (V)	230	230	230	230	230	230
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	3.5	4.8	7.2	9.6	12	14.3
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	97.2%	97.2%	97.3%	97.5%	97.6%	97.6%
European Efficiency	96.0%	96.4%	96.6%	97.0%	97.2%	97.2%

**Protection**

Anti-Islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC SPD Protection	Integrated (Type III)					
AC SPD Protection	Integrated (Type III)					
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated

**General Data**

Operating Temperature Range (°C)	-25~60	-25~60	-25~60	-25~60	-25~60	-25~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling	Natural Convection					
User Interface	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED
Communication	WiFi or LAN	WiFi or LAN	WiFi or LAN	WiFi or LAN	WiFi or LAN	WiFi or LAN
Weight (kg)	5.8	5.8	5.8	5.8	5.8	5.8
Size (Width*Height*Depth mm)	295*230*113	295*230*113	295*230*113	295*230*113	295*230*113	295*230*113
Protection Degree	IP65	IP65	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1	<1	<1
Topology	Transformerless					

\*1: For Belgium Max. Output Apparent Power (VA): GW700-XS is 700; GW1000-XS is 1000; GW1500-XS is 1500; GW2000-XS is 2000; GW2500-XS is 2500; GW3000-XS is 3000.

\*: Please visit GoodWe website for the latest certificates.



Color Options

Teknik Veriler	GW700-XS	GW1000-XS	GW1500-XS	GW2000-XS	GW2500-XS	GW3000-XS
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PV Dizi Girdi Verileri						
Maks. DC Giriş Gücü (W)	910	1300	1950	2600	3250	3900
Maks. DC Giriş Voltajı (V)	500	500	500	500	500	500
MPPT Aralığı (V)	40-450	40-450	50-450	50-450	50-450	50-450
Başlangıç Voltajı (V)	40	40	50	50	50	50
Nominal DC Giriş Voltajı (V)	360	360	360	360	360	360
Maks. Giriş Akımı (A)	12,5	12,5	12,5	12,5	12,5	12,5
Maks. Kısa Devre Akımı (A)	15,6	15,6	15,6	15,6	15,6	15,6
MPP İzleyici Sayısı	1	1	1	1	1	1
İzleyici başına Giriş Dizisi Sayısı	1	1	1	1	1	1

AC Çıkış Verileri						
Nominal Çıkış Gücü (W)	700	1000	1500	2000	2500	3000
Maks. Çıkış Görünür Güç (VA)	770	1100	1650	2200	2750	3300
Nominal Çıkış Voltajı (V)	220/230	220/230	220/230	220/230	220/230	220/230
Nominal Çıkış Frekansı (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Maks. Çıkış Akımı (A)	3,5	4,8	7,2	9,6	12	14,3
Çıkış Güç Faktörü	~1 (0,8 önde değerinden 0,8 gecikmeli değerine ayarlanabilir)					
Çıkış THDi (Nominal Çıkışta)	<%3	<%3	<%3	<%3	<%3	<%3

Verimlilik						
Maks. Verimlilik	%97,2	%97,2	%97,3	%97,5	%97,6	%97,6
Avrupa Verimliliği	%96,0	%96,4	%96,6	%97,0	%97,2	%97,2

Protection						
Anti-islanding Koruması	Entegre	Entegre	Entegre	Entegre	Entegre	Entegre
Giriş Ters Polarite Koruması	Entegre	Entegre	Entegre	Entegre	Entegre	Entegre
İzolasyon Direnci Saptama	Entegre	Entegre	Entegre	Entegre	Entegre	Entegre
DC SPD Koruması	Entegre (Tip III)	Entegre (Tip III)	Entegre (Tip III)	Entegre (Tip III)	Entegre (Tip III)	Entegre (Tip III)
AC SPD Koruması	Entegre (Tip III)	Entegre (Tip III)	Entegre (Tip III)	Entegre (Tip III)	Entegre (Tip III)	Entegre (Tip III)
Rezidüel Akım İzleme Ünitesi	Entegre	Entegre	Entegre	Entegre	Entegre	Entegre
Çıkış Aşırı Akım Koruması	Entegre	Entegre	Entegre	Entegre	Entegre	Entegre
Çıkış Kısa Devre Koruması	Entegre	Entegre	Entegre	Entegre	Entegre	Entegre
Çıkış Aşırı Voltaj Koruması	Entegre	Entegre	Entegre	Entegre	Entegre	Entegre

Genel Veriler						
Çalışma Sıcaklığı Aralığı (°C)	-25-60	-25-60	-25-60	-25-60	-25-60	-25-60
Bağıl Nem	%0-100	%0-100	%0-100	%0-100	%0-100	%0-100
Çalışma Rakımı (m)	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000
Soğutma	Doğal Konveksiyon					
Kullanıcı Arayüzü	LCD ve LED	LCD ve LED	LCD ve LED	LCD ve LED	LCD ve LED	LCD ve LED
İletişim	WiFi veya LAN	WiFi veya LAN	WiFi veya LAN	WiFi veya LAN	WiFi veya LAN	WiFi veya LAN
Ağırlık (kg)	5,8	5,8	5,8	5,8	5,8	5,8
Büyükölçü (Genişlik x Yükseklik x Derinlik mm)	295 x 230 x 113	295 x 230 x 113	295 x 230 x 113	295 x 230 x 113	295 x 230 x 113	295 x 230 x 113
Koruma Derecesi	IP65	IP65	IP65	IP65	IP65	IP65
Gece İç Tüketim (W)	<1	<1	<1	<1	<1	<1
Topoloji	Transformatörsüz					

Sertifikasyonlar ve Standartlar	
Şebeke Yönetmelikleri	VDE0126-1-1, EN50438 (PL), VDE4105, G98, AS/NZ S4777.2, CEI 0-21, UTE 15-712-1, RD1699+UNE, EN505049-1, IEC61727 IEC62116
Güvenlik Yönetmelikleri	IEC 62109-1 ve -2
Elektromanyetik Uyumluluk	EN61000