



## Smart Control & Monitoring

- · Load consumption monitoring
- · Power export limit



## Superb Safety & Reliability

- · IP65 ingress protection
- · Quality and robust components



## High Power Generation

- · Max. 15A DC input current per string
- · 40V start-up voltage



## Friendly & Thoughtful Design

- · Fanless design for quiet operation
- · A4 size with light weight



Start-up Voltage (V) Nominal Input Voltage (V) Max. Input Current per MPPT (A) Max. Short Circuit Current per MPPT (A) Number of MPP Trackers Number of Strings per MPPT  Output  Nominal Output Power (W) Nominal Output Apparent Power (VA) Max. AC Active Power (W) Max. AC Apparent Power (VA) Nominal Output Voltage (V) Nominal Output Voltage (V) Nominal AC Grid Frequency (Hz) Max. Output Current (A) Power Factor Max. Total Harmonic Distortion  Efficiency  Max. Efficiency  Protection  PV Insulation Resistance Detection I Residual Current Monitoring Unit Anti-islanding Protection I AC Overcurrent Protection I AC Short Circuit Protection I AC Overvoltage Protection I AC Overvoltage Protection I	500 40 ~ 450 40 360 15 18.75 1 1 700 700 800* 800* 230 50 / 60 3.5 <3%	<3% 97.2% 96.4%	500 50 ~ 450 50 360 15 18.75 1 1 1 1500 1500 1650* 1650* 230 50 / 60 7.2 Adjustable from 0.8 <3%	500 50 ~ 450 50 360 15 18.75 1 1 2000 2000 2000 2200* 2200* 2200* 230 50 / 60 9.6 8 leading to 0.8 lags <3% 97.5% 97.0%	600 50 ~ 550 50 360 15 18.75 1 1 2500 2500 2750* 2750* 220 / 230 50 / 60 12 ging) <3%	600 50 ~ 550 50 360 15 18.75 1 1 3000 3000 3300* 3300* 220 / 230 50 / 60 14.3 <3%  97.6% 97.2%		
MPPT Operating Voltage Range (V) Start-up Voltage (V) Nominal Input Voltage (V) Max. Input Current per MPPT (A) Max. Short Circuit Current per MPPT (A) Number of MPP Trackers Number of Strings per MPPT  Output  Nominal Output Power (W) Nominal Output Apparent Power (VA) Max. AC Active Power (W) Max. AC Active Power (W) Max. AC Apparent Power (VA) Nominal Output Voltage (V) Nominal AC Grid Frequency (Hz) Max. Output Current (A) Power Factor Max. Total Harmonic Distortion  Efficiency  Max. Efficiency  Protection  PV Insulation Resistance Detection Residual Current Monitoring Unit Anti-islanding Protection AC Overcurrent Protection AC Short Circuit Protection AC Overvoltage Protection In AC Switch In DC Surge Arrester	40 ~ 450 40 360 15 18.75 1 1 700 700 800* 800* 230 50 / 60 3.5 <3%	40 ~ 450 40 360 15 18.75 1 1 1000 1000 1100* 1100* 230 50 / 60 4.8 ~1 ( <3%	50 ~ 450 50 360 15 18.75 1 1 1500 1500 1650* 230 50 / 60 7.2 Adjustable from 0.8 <3%	50 ~ 450 50 360 15 18.75 1 1 1 2000 2000 2000* 2200* 2200* 230 50 / 60 9.6 8 leading to 0.8 lags <3%	50 ~ 550 50 360 15 18.75 1 1 1 2500 2500 2750* 2750* 2750* 220 / 230 50 / 60 12 ging) <3%	50 ~ 550 50 360 15 18.75 1 1 3000 3000 3300* 3300* 220 / 230 50 / 60 14.3 <3%		
Start-up Voltage (V) Nominal Input Voltage (V) Max. Input Current per MPPT (A) Max. Short Circuit Current per MPPT (A) Number of MPP Trackers Number of Strings per MPPT  Output  Nominal Output Power (W) Nominal Output Apparent Power (VA) Max. AC Active Power (W) Max. AC Active Power (W) Nominal Output Voltage (V) Nominal Output Voltage (V) Nominal AC Grid Frequency (Hz) Max. Output Current (A) Power Factor Max. Total Harmonic Distortion  Efficiency  Wax. Efficiency  Protection  PV Insulation Resistance Detection In Act Overcurrent Protection AC Overcurrent Protection AC Short Circuit Protection In AC Switch In DC Surge Arrester	40 360 15 18.75 1 1 700 700 800* 800* 230 50 / 60 3.5 <3%	40 360 15 18.75 1 1 1000 1000 1100* 1100* 230 50 / 60 4.8 ~1 ( <3%	50 360 15 18.75 1 1 1 1500 1500 1650* 1650* 230 50 / 60 7.2  Adjustable from 0.8 <3%	50 360 15 18.75 1 1 1 2000 2000 2000 2200* 2200* 230 50 / 60 9.6 8 leading to 0.8 lags <3%	50 360 15 18.75 1 1 2500 2500 2750* 2750* 220 / 230 50 / 60 12 ging) <3%	50 360 15 18.75 1 1 3000 3000 3000 3300* 220 / 230 50 / 60 14.3 <3%		
Nominal Input Voltage (V)  Max. Input Current per MPPT (A)  Max. Short Circuit Current per MPPT (A)  Number of MPP Trackers  Number of Strings per MPPT  Output  Nominal Output Power (W)  Nominal Output Apparent Power (VA)  Max. AC Active Power (W)  Max. AC Active Power (W)  Nominal Output Voltage (V)  Nominal AC Grid Frequency (Hz)  Max. Output Current (A)  Power Factor  Max. Total Harmonic Distortion  Efficiency  Protection  PV Insulation Resistance Detection  Residual Current Monitoring Unit  Anti-islanding Protection  AC Overcurrent Protection  AC Short Circuit Protection  AC Overvoltage Protection  In C Switch  In CC Surge Arrester	360 15 18.75 1 1 700 700 800* 800* 230 50 / 60 3.5 <3%	360 15 18.75 1 1 1000 1000 1100* 1100* 230 50 / 60 4.8 ~1 ( <3%	360 15 18.75 1 1 1500 1500 1650* 230 50 / 60 7.2 Adjustable from 0.8 <3%	360 15 18.75 1 1 1 2000 2000 2000* 2200* 2200* 230 50 / 60 9.6 8 leading to 0.8 lags <3%	360 15 18.75 1 1 1 2500 2500 2750* 2750* 220 / 230 50 / 60 12 ging) <3%	360 15 18.75 1 1 3000 3000 3300* 3300* 220 / 230 50 / 60 14.3 <3%		
Max. Input Current per MPPT (A)  Max. Short Circuit Current per MPPT (A)  Max. Short Circuit Current per MPPT (A)  Number of MPP Trackers  Number of Strings per MPPT  Output  Nominal Output Power (W)  Max. AC Active Power (W)  Max. AC Apparent Power (VA)  Nominal Output Voltage (V)  Nominal AC Grid Frequency (Hz)  Max. Output Current (A)  Power Factor  Max. Total Harmonic Distortion  Efficiency  Protection  PV Insulation Resistance Detection  Residual Current Monitoring Unit  AC Overcurrent Protection  AC Overvoltage Protection  AC Short Circuit Protection  AC Overvoltage Protection  In CC Switch  In CC Surge Arrester	15 18.75 1 1 1 700 700 800* 800* 230 50 / 60 3.5 <3%	15 18.75 1 1 1000 1000 1100* 1100* 230 50 / 60 4.8 ~1 ( <3%	15 18.75 1 1 1500 1500 1650* 1650* 230 50 / 60 7.2 Adjustable from 0.8 <3%	15 18.75 1 1 1 2000 2000 2000 2200* 2200* 230 50 / 60 9.6 8 leading to 0.8 lage <3%	15 18.75 1 1 1 2500 2500 2500 2750* 2750* 2750* 220 / 230 50 / 60 12 ging) <3%	15 18.75 1 1 3000 3000 3300* 3300* 220 / 230 50 / 60 14.3 <3%		
Max. Short Circuit Current per MPPT (A) Number of MPP Trackers Number of Strings per MPPT  Output  Nominal Output Power (W) Nominal Output Apparent Power (VA) Max. AC Active Power (W) Max. AC Apparent Power (VA) Nominal Output Voltage (V) Nominal Output Voltage (V) Nominal AC Grid Frequency (Hz) Max. Output Current (A) Power Factor Max. Total Harmonic Distortion  Efficiency  Wax. Efficiency European Efficiency  Protection  PV Insulation Resistance Detection I Residual Current Monitoring Unit Anti-islanding Protection I AC Overcurrent Protection I AC Short Circuit Protection I C Switch I DC Surge Arrester	18.75 1 1 700 700 800* 800* 230 50 / 60 3.5 <3%	18.75  1  1  1000  1000  1100*  1100*  230  50 / 60  4.8  ~1 ( <3%  97.2%  96.4%	18.75 1 1 1500 1500 1650* 1650* 230 50 / 60 7.2  Adjustable from 0.8 <3%	18.75  1  1  2000  2000  2200*  2200*  230  50 / 60  9.6  8 leading to 0.8 lags  <3%	18.75  1  1  2500  2500  2750*  2750*  2750*  220 / 230  50 / 60  12  ging)  <3%	18.75 1 1 3000 3000 3300* 3300* 220 / 230 50 / 60 14.3 <3%		
Number of MPP Trackers Number of Strings per MPPT  Output  Nominal Output Power (W) Nominal Output Apparent Power (VA) Max. AC Active Power (W) Max. AC Apparent Power (VA) Nominal Output Voltage (V) Nominal AC Grid Frequency (Hz) Max. Output Current (A) Power Factor Max. Total Harmonic Distortion  Efficiency  Max. Efficiency  European Efficiency  Protection  PV Insulation Resistance Detection Residual Current Monitoring Unit Anti-islanding Protection  AC Overcurrent Protection In AC Short Circuit Protection In AC Overvoltage Protection In CO Switch In DC Surge Arrester	1 1 700 700 800* 800* 230 50 / 60 3.5 <3%	1 1 1000 1000 1100* 1100* 230 50 / 60 4.8 ~1 ( <3%	1 1 1500 1500 1650* 1650* 230 50 / 60 7.2 Adjustable from 0.8 <3%	1 1 2000 2000 2200* 2200* 230 50 / 60 9.6 8 leading to 0.8 lagge <3%	1 1 2500 2500 2750* 2750* 220 / 230 50 / 60 12 ging) <3%	1 1 3000 3000 3300* 3300* 220 / 230 50 / 60 14.3 <3%		
Number of Strings per MPPT  Output  Nominal Output Power (W)  Nominal Output Apparent Power (VA)  Max. AC Active Power (W)  Max. AC Apparent Power (VA)  Nominal Output Voltage (V)  Nominal AC Grid Frequency (Hz)  Max. Output Current (A)  Power Factor  Max. Total Harmonic Distortion  Efficiency  Max. Efficiency  European Efficiency  Protection  PV Insulation Resistance Detection  AC Overcurrent Monitoring Unit  AC Overcurrent Protection  AC Short Circuit Protection  AC Overvoltage Protection  In C Switch  In DC Surge Arrester	700 700 800* 800* 230 50 / 60 3.5  <3%	1 1000 1000 1100* 1100* 230 50 / 60 4.8 ~1 ( <3%  97.2% 96.4%	1  1500  1500  1650*  1650*  230  50 / 60  7.2  Adjustable from 0.8  <3%	2000 2000 2200* 2200* 230 50 / 60 9.6 8 leading to 0.8 lags <3%	1  2500  2500  2750*  2750*  2750*  220 / 230  50 / 60  12  3ing)  <3%	3000 3000 3300* 3300* 220 / 230 50 / 60 14.3 <3%		
Output  Nominal Output Power (W)  Nominal Output Apparent Power (VA)  Max. AC Active Power (W)  Max. AC Apparent Power (VA)  Nominal Output Voltage (V)  Nominal AC Grid Frequency (Hz)  Max. Output Current (A)  Power Factor  Max. Total Harmonic Distortion  Efficiency  Max. Efficiency  Protection  PV Insulation Resistance Detection  Residual Current Monitoring Unit  Anti-islanding Protection  AC Overcurrent Protection  AC Overvoltage Protection  I C Switch  I DC Surge Arrester	700 700 800* 800* 230 50 / 60 3.5  <3%	1000 1000 1100* 1100* 230 50 / 60 4.8 ~1 ( <3% 97.2% 96.4%	1500 1500 1650* 1650* 230 50 / 60 7.2 Adjustable from 0.8 <3%	2000 2000 2200* 2200* 230 50 / 60 9.6 8 leading to 0.8 lags <3%	2500 2500 2750* 2750* 2750* 220 / 230 50 / 60 12 3ing) <3%	3000 3000 3300* 3300* 220 / 230 50 / 60 14.3 <3%		
Nominal Output Power (W)  Nominal Output Apparent Power (VA)  Max. AC Active Power (W)  Max. AC Apparent Power (VA)  Nominal Output Voltage (V)  Nominal AC Grid Frequency (Hz)  Max. Output Current (A)  Power Factor  Max. Total Harmonic Distortion  Efficiency  Max. Efficiency  European Efficiency  PV Insulation Resistance Detection  Residual Current Monitoring Unit  AC Overcurrent Protection  AC Overcurrent Protection  AC Short Circuit Protection  I AC Overvoltage Protection  I DC Switch  I DC Surge Arrester	700 800* 800* 230 50 / 60 3.5 <3%	1000 1100* 1100* 230 50 / 60 4.8 ~1 ( <3% 97.2% 96.4%	1500 1650* 1650* 230 50 / 60 7.2 Adjustable from 0.8 <3%	2000 2200* 2200* 230 50 / 60 9.6 8 leading to 0.8 lags <3%	2500 2750* 2750* 220 / 230 50 / 60 12 ging) <3%	3000 3300* 3300* 220 / 230 50 / 60 14.3 <3%		
Nominal Output Apparent Power (VA)  Max. AC Active Power (W)  Max. AC Apparent Power (VA)  Max. AC Apparent Power (VA)  Nominal Output Voltage (V)  Nominal AC Grid Frequency (Hz)  Max. Output Current (A)  Power Factor  Max. Total Harmonic Distortion  Efficiency  Max. Efficiency  Protection  PV Insulation Resistance Detection  Residual Current Monitoring Unit  Anti-islanding Protection  AC Overcurrent Protection  AC Short Circuit Protection  AC Overvoltage Protection  I DC Switch  I DC Surge Arrester	700 800* 800* 230 50 / 60 3.5 <3%	1000 1100* 1100* 230 50 / 60 4.8 ~1 ( <3% 97.2% 96.4%	1500 1650* 1650* 230 50 / 60 7.2 Adjustable from 0.8 <3%	2000 2200* 2200* 230 50 / 60 9.6 8 leading to 0.8 lags <3%	2500 2750* 2750* 220 / 230 50 / 60 12 ging) <3%	3000 3300* 3300* 220 / 230 50 / 60 14.3 <3%		
Max. AC Active Power (W)  Max. AC Apparent Power (VA)  Nominal Output Voltage (V)  Nominal AC Grid Frequency (Hz)  Max. Output Current (A)  Power Factor  Max. Total Harmonic Distortion  Efficiency  Max. Efficiency  Protection  PV Insulation Resistance Detection  Residual Current Monitoring Unit  Anti-islanding Protection  AC Overcurrent Protection  AC Short Circuit Protection  AC Overvoltage Protection  I DC Switch  I DC Surge Arrester	800* 800* 230 50 / 60 3.5 <3%	1100* 1100* 230 50 / 60 4.8 ~1 ( <3%  97.2% 96.4%	1650* 1650* 230 50 / 60 7.2  Adjustable from 0.8 <3%	2200* 2200* 230 50 / 60 9.6 8 leading to 0.8 lagg	2750* 2750* 220 / 230 50 / 60 12 ging) <3%	3300* 3300* 220 / 230 50 / 60 14.3 <3%		
Max. AC Apparent Power (VA) Nominal Output Voltage (V) Nominal AC Grid Frequency (Hz) Max. Output Current (A) Power Factor Max. Total Harmonic Distortion  Efficiency  Max. Efficiency European Efficiency  Protection  PV Insulation Resistance Detection Residual Current Monitoring Unit Anti-islanding Protection IAC Overcurrent Protection IAC Short Circuit Protection IAC Overvoltage Protection IDC Switch IDC Surge Arrester	800* 230 50 / 60 3.5 <3% 97.2% 96.0%	1100* 230 50 / 60 4.8 ~1 ( <3%  97.2% 96.4%	1650* 230 50 / 60 7.2 Adjustable from 0.8 <3%	2200* 230 50 / 60 9.6 8 leading to 0.8 lagge <3%	2750* 220 / 230 50 / 60 12 ging) <3%	3300* 220 / 230 50 / 60 14.3 <3%		
Nominal Output Voltage (V) Nominal AC Grid Frequency (Hz) Max. Output Current (A) Power Factor Max. Total Harmonic Distortion  Efficiency  Max. Efficiency  European Efficiency  Protection  PV Insulation Resistance Detection Residual Current Monitoring Unit Anti-islanding Protection IAC Overcurrent Protection IAC Short Circuit Protection IAC Overvoltage Protection IDC Switch IDC Surge Arrester	230 50 / 60 3.5 <3% 97.2% 96.0%	230 50 / 60 4.8 ~1 ( <3% 97.2% 96.4%	230 50 / 60 7.2 Adjustable from 0.8 <3%	230 50 / 60 9.6 8 leading to 0.8 lagg <3%	220 / 230 50 / 60 12 ging) <3%	220 / 230 50 / 60 14.3 <3%		
Nominal AC Grid Frequency (Hz)  Max. Output Current (A)  Power Factor  Max. Total Harmonic Distortion  Efficiency  Max. Efficiency  European Efficiency  Protection  PV Insulation Resistance Detection  Residual Current Monitoring Unit  Anti-islanding Protection  I AC Overcurrent Protection  I AC Short Circuit Protection  I AC Overvoltage Protection  I DC Switch  I DC Surge Arrester	50 / 60 3.5 <3% 97.2% 96.0%	50 / 60 4.8 ~1 ( <3% 97.2% 96.4%	50 / 60 7.2 Adjustable from 0.8 <3% 97.3%	50 / 60 9.6 8 leading to 0.8 lags <3% 97.5%	50 / 60 12 ging) <3%	50 / 60 14.3 <3%		
Max. Output Current (A)  Power Factor  Max. Total Harmonic Distortion  Efficiency  Max. Efficiency  European Efficiency  Protection  PV Insulation Resistance Detection  Residual Current Monitoring Unit  Anti-islanding Protection  I AC Overcurrent Protection  I AC Short Circuit Protection  I AC Overvoltage Protection  I DC Switch  I DC Surge Arrester	3.5 <3% 97.2% 96.0%	4.8 ~1 ( <3% 97.2% 96.4%	7.2 Adjustable from 0.8 <3%	9.6 8 leading to 0.8 lagg <3% 97.5%	12 ging) <3%	14.3 <3%		
Power Factor  Max. Total Harmonic Distortion  Efficiency  Max. Efficiency  European Efficiency  Protection  PV Insulation Resistance Detection  Residual Current Monitoring Unit  Anti-islanding Protection  AC Overcurrent Protection  In AC Short Circuit Protection  AC Overvoltage Protection  In AC Overvoltage Protection	<3% 97.2% 96.0%	~1 ( <3% 97.2% 96.4%	Adjustable from 0.8 <3% 97.3%	3% (3%) 8 leading to 0.8 lagg	ging) <3% 97.6%	<3% 97.6%		
Max. Total Harmonic Distortion  Efficiency  Max. Efficiency  European Efficiency  Protection  PV Insulation Resistance Detection Residual Current Monitoring Unit Industrial Ind	97.2% 96.0%	<3% 97.2% 96.4%	<3% 97.3%	<3% 97.5%	<3% 97.6%	97.6%		
Efficiency  Max. Efficiency  European Efficiency  Protection  PV Insulation Resistance Detection  Residual Current Monitoring Unit  Anti-islanding Protection  AC Overcurrent Protection  In AC Short Circuit Protection  AC Overvoltage Protection  In AC Overvoltage Protection  In AC Switch  In DC Surge Arrester	97.2% 96.0%	97.2% 96.4%	97.3%	97.5%	97.6%	97.6%		
Max. Efficiency  European Efficiency  Protection  PV Insulation Resistance Detection  Residual Current Monitoring Unit  Inthi-islanding Protection  AC Overcurrent Protection  AC Short Circuit Protection  Inthi-islanding Protec	96.0%	96.4%						
Protection  PV Insulation Resistance Detection  Residual Current Monitoring Unit Anti-islanding Protection  AC Overcurrent Protection  AC Short Circuit Protection  AC Overvoltage Protection  I DC Switch  I DC Surge Arrester	96.0%	96.4%						
Protection  PV Insulation Resistance Detection  Residual Current Monitoring Unit  Anti-islanding Protection  AC Overcurrent Protection  In AC Short Circuit Protection  AC Overvoltage Protection  In AC Overvoltage Protection  In AC Overvoltage Protection  In DC Switch  In DC Surge Arrester			96.6%	97.0%	97.2%	97.2%		
PV Insulation Resistance Detection  Residual Current Monitoring Unit  Anti-islanding Protection  AC Overcurrent Protection  I AC Short Circuit Protection  AC Overvoltage Protection  I DC Switch  I DC Surge Arrester	ntegrated							
Residual Current Monitoring Unit  Anti-islanding Protection  AC Overcurrent Protection  AC Short Circuit Protection  AC Overvoltage Protection  IDC Switch  IDC Surge Arrester	ntegrated							
Anti-islanding Protection  AC Overcurrent Protection  AC Short Circuit Protection  AC Overvoltage Protection  DC Switch  DC Surge Arrester		Integrated	Integrated	Integrated	Integrated	Integrated		
AC Overcurrent Protection I AC Short Circuit Protection I AC Overvoltage Protection I DC Switch I DC Surge Arrester	ntegrated	Integrated	Integrated	Integrated	Integrated	Integrated		
AC Short Circuit Protection I AC Overvoltage Protection I DC Switch I DC Surge Arrester	ntegrated	Integrated	Integrated	Integrated	Integrated	Integrated		
AC Overvoltage Protection I DC Switch I DC Surge Arrester	ntegrated	Integrated	Integrated	Integrated	Integrated	Integrated		
DC Switch I DC Surge Arrester	ntegrated	Integrated	Integrated	Integrated	Integrated	Integrated		
DC Surge Arrester	ntegrated	Integrated	Integrated	Integrated	Integrated	Integrated		
	ntegrated	Integrated	Integrated	Integrated	Integrated	Integrated		
AC Surge Arrester			Type III (Typ	e II Optional)				
	Type III	Type III	Type III	Type III	Type III	Type III		
AFCI	Optional	Optional	Optional	Optional	Optional	Optional		
Emergency Power Off	Optional	Optional	Optional	Optional	Optional	Optional		
Remote Shutdown	Optional	Optional	Optional	Optional	Optional	Optional		
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%		
Max. Operating Altitude (m)	3000	3000	3000	3000	3000	3000		
Cooling Method			Natural c	onvection				
User Interface	LED, LCD, WLAN + APP							
Communication			WiFi or LAN or F	RS485 (Optional)				
Weight (kg)	5.8	5.8	5.8	5.8	5.8	5.8		
Dimension (W × H × D mm) 295	× 230 × 113	295 × 230 × 113	295 × 230 × 113	295 × 230 × 113	295 × 230 × 113	295 × 230 × 11		
Noise Emission (dB)	<25	<25	<25	<25	<30	<30		
Topology No	on-isolated	Non-isolated	Non-isolated	Non-isolated	Non-isolated	Non-isolated		
Self-consumption at Night (W)	<1	<1	<1	<1	<1	<1		
ngress Protection Rating		IP65	IP65	IP65	IP65	IP65		
DC Connector	IP65		MC4 (2.5 ~ 4mm²)					

<sup>\*:</sup> For Belgium Max. Output Apparent Power (VA) and Max. AC Active Power (W): GW700-XS-11 is 700, GW1000-XS-11 is 1000, GW1500-XS-11 is 1500, GW2000-XS-11 is 2000, GW2500-XS-11 is 2500, GW3000-XS-11 is 3000.

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