

## GoodWe Monitoring System

WiFi Automatic Matching via App



>>>Monitoring Website:[www.goodwe-power.com](http://www.goodwe-power.com)  
>>>EzViewer for iOS/Android



**SS Series**  
Single-MPPT,Single-Phase  
1.5kW/2kW/3kW/4kW/4.6kW

**DS Series**  
Dual-MPPT,Single-Phase  
3.6kW/4.2kW/4.6kW

- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%
- Wide range of input voltage
- Up to 10 safety measurements
- DC switch
- IP65 dust-proof and water-proof rating
- 45°C full-load output
- User-friendly Large LCD
- Wireless monitoring and communication
- Voice control operation
- Fanless low-noise design
- 3 selectable appearance colors

■ [www.goodwe.com.cn](http://www.goodwe.com.cn) ■ Global Service Hotline:+86 4009 281 333 ■ [service@goodwe.com.cn](mailto:service@goodwe.com.cn)

GoodWe (Germany)  
Münwikerstr. 59  
24943 Flensburg Germany  
T: 0049 461 5897 0235  
F: 0049 461 5897 0235  
[europa@goodwe.com.cn](mailto:europa@goodwe.com.cn)  
[www.goodwe.de](http://www.goodwe.de)

GoodWe (UK)  
93 Caversham Place  
Sutton Coldfield B73 6HW  
T:+44 12 1238 0053  
[uk@goodwe.com.cn](mailto:uk@goodwe.com.cn)  
[www.goodwe.com.cn](http://www.goodwe.com.cn)

GoodWe (Netherlands)  
Zevenwouden 194,  
3524 CX Utrecht, the Netherlands  
T: +31 6 1988 6509  
+31 6 1988 6512  
[service@goodwe.com.cn](mailto:service@goodwe.com.cn)  
[www.goodwe.com.cn](http://www.goodwe.com.cn)

GoodWe (Australia)  
74 Tarana Avenue,  
Glenroy VIC 3046, Australia  
T: +61 3 9972 9938  
[australia@goodwe.com.cn](mailto:australia@goodwe.com.cn)  
[www.goodwe.de](http://www.goodwe.de)

GoodWe (China)  
No.189 Kunlunshan Rd., SND,  
Suzhou, 215163, China  
T: +86 512 6239 6771  
F: +86 512 6239 7972  
[sales@goodwe.com.cn](mailto:sales@goodwe.com.cn)  
[www.goodwe.com.cn](http://www.goodwe.com.cn)

WHERE THE SUN SHINES, THERE IS GOODWE!

**Technical Data**      **GW1500-SS**      **GW2000-SS**      **GW3000-SS**      **GW4000-SS**      **GW4600-SS**

<b>DC Input Data</b>					
Max. DC power [W]	1800	2300	3200	4600	5400
Max. DC voltage [V]	450	500	500	580	580
MPPT voltage range [V]	125~450	125~450	125~450	125~550	125~550
Starting voltage [V]	125	125	125	125	125
Max. DC current [A]	12	15	18	20	20
No. of DC connectors	1	1	2	2	2
No. of MPPTs	1	1	1	1	1
DC connector	SUNCLIX / MC4 (optional)			SUNCLIX / MC4 (optional)	
<b>AC Output Data</b>					
Norminal AC power [W]	1500	2000	3000	4000	4600
Max. AC power [W]	1650	2000	3000	4400	5100
Max. AC current [A]	8	10	15	22	25
Norminal AC output	50/60Hz; 230Vac			50/60Hz; 230Vac	
AC output range	45~55Hz/55~65Hz; 180~270Vac			45~55Hz/55~65Hz; 180~270Vac	
THDi	<1%			<1%	
Power factor	0.9 leading~0.9 lagging			0.9 leading~0.9 lagging	
Grid connection	Single phase	Single phase	Single phase	Single phase	Single phase
<b>Efficiency</b>					
Max. efficiency	97.0%	97.0%	97.0%	97.8%	97.8%
Euro efficiency	>96%	>96%	>96.5%	>97.4%	>97.4%
MPPT adaptation efficiency	>99.5%	>99.5%	>99.5%	>99.5%	>99.5%
<b>Protection</b>					
Residual current monitoring unit	Integrated			Integrated	
Anti-islanding protection	Integrated			Integrated	
DC switch	Integrated (optional)			Integrated (optional)	
AC over current protection	Integrated			Integrated	
Insulation monitoring	Integrated			Integrated	
<b>Certifications&amp;Standards</b>					
Grid regulation	VDE-AR-N 4105, AS4777.2&3, RD1699, G83/2, IEC62109-2, VDE0126-1-1+A1, EN50438			VDE-AR-N 4105, AS4777.2&3, RD1699, G59/2, IEC62109-2, VDE0126-1-1+A1, EN50438, NRS097-2-1	
Safety	According to IEC62109-1&-2, AS3100			According to IEC62109-1&-2, AS3100	
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3			EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3	
<b>General Data</b>					
Dimensions (WxHxD)	355*380*134mm			390*417*142mm	
Weight [kg]	12	12	13	18	18
Mounting	Wall bracket			Wall bracket	
Ambient temperature range	-25~60°C (> 45°C derating)			-25~60°C (> 45°C derating)	
Relative humidity	0~95%			0~95%	
Max. operating altitude	2000			2000	
Protection degree	IP65			IP65	
Topology	Transformerless			Transformerless	
Night power consumption [W]	<1			<1	
Cooling	Nature convection			Nature convection	
Noise emission [dB]	<25			<25	
Display	4.0" LCD			4.0" LCD	
Communication	USB2.0; RS485 or WiFi			USB2.0; RS485 or WiFi	
Standard warranty [years]	5/10/15/20/25 (optional)			5/10/15/20/25 (optional)	

**Technical Data**      **GW3600-DS**      **GW4200-DS**      **GW4600-DS**

<b>DC Input Data</b>			
Max. DC power [W]	3800	4600	5400
Max. DC voltage [V]	580	580	580
MPPT voltage range [V]	125~550	125~550	125~550
Starting voltage [V]	125	125	125
Max. DC current [A]	10/10	15/15	15/15
No. of DC connectors	2	2	2
No. of MPPTs	2 (can parallel)	2 (can parallel)	2 (can parallel)
DC connector	SUNCLIX / MC4 (optional)	SUNCLIX / MC4 (optional)	SUNCLIX / MC4 (optional)
<b>AC Output Data</b>			
Norminal AC power [W]	3600	4200	4600
Max. AC power [W]	3600	4400	5100
Max. AC current [A]	18	21	25
Norminal AC output	50/60Hz; 230Vac	50/60Hz; 230Vac	50/60Hz; 230Vac
AC output range	45~55Hz/55~65Hz; 180~270Vac	45~55Hz/55~65Hz; 180~270Vac	45~55Hz/55~65Hz; 180~270Vac
THDi	<1.5%	<1.5%	<1.5%
Power factor	0.9 leading~0.9 lagging	0.9 leading~0.9 lagging	0.9 leading~0.9 lagging
Grid connection	Single phase	Single phase	Single phase
<b>Efficiency</b>			
Max. efficiency	97.6%	97.8%	97.8%
Euro efficiency	>97%	>97.4%	>97.4%
MPPT adaptation efficiency	>99.5%	>99.5%	>99.5%
<b>Protection</b>			
Residual current monitoring unit	Integrated	Integrated	Integrated
Anti-islanding protection	Integrated	Integrated	Integrated
DC switch	Integrated (optional)	Integrated (optional)	Integrated (optional)
AC over current protection	Integrated	Integrated	Integrated
Insulation monitoring	Integrated	Integrated	Integrated
<b>Certifications&amp;Standards</b>			
Grid regulation	VDE-AR-N 4105, AS4777.2&3, RD1699, G59/2, IEC62109-2, VDE0126-1-1+A1, EN50438	VDE-AR-N 4105, AS4777.2&3, RD1699, IEC62109-2, VDE0126-1-1+A1, EN50438	VDE-AR-N 4105, AS4777.2&3, RD1699, IEC62109-2, MEA, PEA VDE0126-1-1+A1, EN50438, G59/2,
Safety	IEC62109-1&-2, AS3100	IEC62109-1&-2, AS3100	IEC62109-1&-2, AS3100
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-11, EN 61000-3-12		
<b>General Data</b>			
Dimensions (WxHxD)	390*417*165mm	390*417*165mm	390*417*165mm
Weight [kg]	20	20	20
Mounting	Wall bracket	Wall bracket	Wall bracket
Ambient temperature range	-25~60°C (>45°C derating)	-25~60°C (>45°C derating)	-25~60°C (>45°C derating)
Relative humidity	0~95%	0~95%	0~95%
Max. operating altitude	2000m	2000m	2000m
Protection degree	IP65	IP65	IP65
Topology	Transformerless	Transformerless	Transformerless
Night power consumption [W]	<1	<1	<1
Cooling	Nature convection	Nature convection	Nature convection
Noise emission [dB]	<25	<25	<25
Display	4.0" LCD	4.0" LCD	4.0" LCD
Communication	USB2.0; RS485 or WiFi	USB2.0; RS485 or WiFi	USB2.0; RS485 or WiFi
Standard warranty [years]	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)