



GOODWE
your solar engine



DS Series

Dual-MPPT, Single-Phase

3.6kW/4.2kW/4.6kW

GoodWe DS series inverter is designed under modern ID concept. There are three colors for option with fashionable appearance. It has created a new standard for inverter technology with more advanced reactive compensation technology and dual MPPTs. The new series has a wide range of domestic applications. Aside from being compatible with different types of solar panel brands, it also meets the demands of easy installation and simple operation for indoor and outdoor use. Despite the fact that its weight is super light, it meets the IP65 protective class. Our unique dual MPPTs and low THDi makes the DS series the best choice for users to build up perfect photovoltaic systems.

Integrated WiFi Solution
multiple user access and mobile Apps



GoodWe
EzViewer



GoodWe
EzViewer

www.goodwe.com.cn

WHERE THE SUN SHINES, THERE IS GOODWE.

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

Technical Data

GW3600-DS

GW4200-DS

GW4600-DS

DC Input Data

Max. PV-generator power [W]	3800	4600	5400
Max. DC voltage [V]	580	580	580
MPPT voltage range [V]	125~550	125~550	125~550
Turn on DC voltage [V]	125	125	125
Max. DC work current [A]	2*10	2*15	2*15
Number of inputs/MPP trackers	2/2 (can parallel)	2/2 (can parallel)	2/2 (can parallel)
DC connector	SUNCLIX, MC IV (optional)	SUNCLIX, MC IV (optional)	SUNCLIX, MC IV (optional)
Standby power consumption [W]	5	5	5

AC Output Data

Nominal AC power [W]	3600	4200	4600
Max. AC power [W]	3600	4400	5100
Max. AC current [A]	18	21	25
Nominal AC output	50Hz; 230Vac	50Hz; 230Vac	50Hz; 230Vac
AC output range	45~55Hz; 180~270Vac		
	May vary as per corresponding country's grid standard		
THDi	<2%	<2%	<2%
Power factor	0.90 leading...0.90 lagging	0.90 leading...0.90 lagging	0.90 leading...0.90 lagging
AC connection	Single phase	Single phase	Single phase

Efficiency

Max. efficiency	97.6%	97.8%	97.8%
European efficiency	>97.0%	>97.4%	>97.4%
MPPT adaptation efficiency	>99.5%	>99.5%	>99.5%

Safety Equipment

Leakage current monitoring unit	Integrated	Integrated	Integrated
DC switch	Optional	Optional	Optional
Islanding protection	AFD	AFD	AFD
Grid monitoring	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, G59/2,MEA+PEA AS4777.2/1.3, EN62109-2, EN50438, CNCA/CTS 0004-2009A		

Normative Reference

EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	IEC 62109-1, AS3100, CNCA/CTS0006-2010		

General Data

Dimensions (W*H*D) [mm]	390*417*165	390*417*165	390*417*165
Net weight [kg]	20	20	20
Housing	For outdoor and indoor	For outdoor and indoor	For outdoor and indoor
Mounting information	Wall mounting	Wall mounting	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)	-20~60°C (up 45°C derating)	-20~60°C (up 45°C derating)
Relative humidity	0~95%	0~95%	0~95%
Site altitude [m]	2000	2000	2000
IP protection class	IP65	IP65	IP65
Topology	Transformerless	Transformerless	Transformerless
Cooling concept	Natural convection	Natural convection	Natural convection
Noise level [dB]	<25	<25	<25
Display	4" LCD	4" LCD	4" LCD
Communication	USB2.0; RS485 or Wi-Fi	USB2.0; RS485 or Wi-Fi	USB2.0; RS485 or Wi-Fi
Standard warranty [years]	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)



color options