



GOODWE

your solar engine

**Photon
Test**



SS Series

Single-MPPT, Single-Phase

1.5kW/2kW/3kW/4kW/4.6kW

GoodWe SS series inverter is designed under modern ID concept. There are three colors for option with fashionable appearance. It is widely and flexibly used in residential rooftop units because of its wide range of input voltage. It features very high conversion efficiency and reliability. SS series provides long-term and stable generating benefits. The powerful, intelligent, user friendly interface and smart design makes it most suitable for residential applications.

Integrated WiFi Solution
multiple user access and mobile Apps



GoodWe
EzViewer



GoodWe
EzViewer

www.goodwe.com.cn

WHERE THE SUN SHINES, THERE IS GOODWE.

- Maximum Efficiency up to 97.8%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%
- THDi less than 1%
- Up to 10 safety measurements
- DC switch
- IP65 dust-proof and water-proof
- 45°C full-load output
- Wide range of MPPT voltage
- User-friendly Large LCD
- Wireless monitoring and communication
- Fanless low-noise design
- 3 selectable appearance colors

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

DC Input Data

| | | | | | |
|-------------------------------|---------------------------|---------|---------|---------------------------|---------|
| Max. PV-generator power [W] | 1800 | 2300 | 3200 | 4600 | 5400 |
| Max. DC voltage [V] | 450 | 500 | 500 | 580 | 580 |
| MPPT voltage range [V] | 125~400 | 125~450 | 125~450 | 125~550 | 125~550 |
| Turn on DC voltage [V] | 125 | 125 | 125 | 125 | 125 |
| Max. DC work current [A] | 12 | 15 | 18 | 20 | 20 |
| Number of inputs/MPP trackers | 1/1 | 1/1 | 2/1 | 2/1 | 2/1 |
| DC connector | SUNCLIX, MC IV (optional) | | | SUNCLIX, MC IV (optional) | |
| Standby power consumption [W] | 5 | 5 | 5 | 5 | 5 |

AC Output Data

| | | | | | |
|----------------------|---|-----------------------------|-----------------------------|---|-----------------------------|
| Nominal 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 |
| Nominal AC output | 50Hz; 230Vac | | | 50Hz; 230Vac | |
| AC output range | 45~55Hz; 180~270Vac | | | 45~55Hz; 180~270Vac | |
| | May vary as per corresponding country's grid standard | | | May vary as per corresponding country's grid standard | |
| THDi | <1% | <1% | <1% | <1% | <1% |
| Power factor | 0.90 leading...0.90 lagging | 0.90 leading...0.90 lagging | 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 | Single phase | Single phase |

Efficiency

| | | | | | |
|----------------------------|--------|--------|--------|--------|--------|
| Max. efficiency | 97.0% | 97.0% | 97.0% | 97.8% | 97.8% |
| European efficiency | >96.0% | >96.0% | >96.5% | >97.4% | >97.4% |
| MPPT adaptation efficiency | >99.5% | >99.5% | >99.5% | >99.5% | >99.5% |

Safety Equipment

| | | | | | |
|---------------------------------|--|------------|------------|--|------------|
| Leakage current monitoring unit | Integrated | Integrated | Integrated | Integrated | Integrated |
| DC switch | Optional | Optional | Optional | Optional | Optional |
| Islanding protection | AFD | AFD | AFD | AFD | AFD |
| Grid monitoring | VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, G83/1, AS4777.2/3, EN62109-2, EN50438, CNCA/CTS 0004-2009A | | | VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, NRS 097-2-1, AS4777.2/3, EN62109-2, EN50438, CNCA/CTS 0004-2009A, G59/2, | |

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 |
| Safety compliance | IEC 62109-1, AS3100, CNCA/CTS0006-2010 | IEC 62109-1, AS3100, CNCA/CTS0006-2010 |

General Data

| | | |
|-----------------------------|-----------------------------|-----------------------------|
| Dimensions (W*H*D) [mm] | 330*350*125 | 390*417*142 |
| Net weight [kg] | 12 | 18 |
| Housing | For outdoor and indoor | For outdoor and indoor |
| Mounting information | Wall mounting | Wall mounting |
| Operating temperature range | -20~60°C (up 45°C derating) | -20~60°C (up 45°C derating) |
| Relative humidity | 0~95% | 0~95% |
| Site altitude [m] | 2000 | 2000 |
| IP protection class | IP65 | IP65 |
| Topology | Transformerless | Transformerless |
| Cooling concept | Natural convection | Natural convection |
| Noise level [dB] | <25 | <25 |
| Display | 4" LCD | 4" LCD |
| Communication | 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) |



color options