



GOODWE THREE-PHASE INVERTERS

GW5000L-DT / GW6000L-DT / GW10KL-DT / GW15KN-DT

The GoodWe DT series inverter covers a wide range of PV applications from mid to large size three-phase residential installations to light commercial installations.

Dual MPP trackers and low start-up voltage provide increased design flexibility, and with an IP65 protection rating, the DT series is suitable for both indoor and outdoor installations.



BRING THE
SUNSHINE HOME



PERFECT FOR
RESIDENTIAL &
LIGHT COMMERCIAL
INSTALLATIONS



HOW YOU BENEFIT

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HIGH EFFICIENCY

Inverter efficiency of up to 98.3%, generating more power from your PV system.



WIDE MPPT RANGE

Wide MPPT range provides greater design options for your household system.



COMPACT DESIGN

Lightweight, small and robust. Natural convection cooling and quiet operation.



MONITORING

The inbuilt LCD screen and operating panel provide local system access. Built-in Wi-Fi enables remote monitoring.



SAFE OPERATION

Robust design is suitable for both outdoor and indoor installations with an IP rating of IP65.

Technical Data

| INVERTER TECHNICAL DATA | GW5000L-DT | GW6000L-DT | GW10KL-DT | GW1500L-DT |
|-----------------------------------|---|------------|--------------------|------------|
| Output (AC) | | | | |
| Nominal output power | 5000 W | 6000 W | 10000 W | 15000 W |
| Maximum output apparent power | 5000 VA | 6000 VA | 10000 VA | 16500 VA |
| AC output voltage (nominal) | 400, 3L/N/PE | | | |
| Output power factor | ~1 (Adjustable from 0.8 leading to 0.8 lagging) | | | |
| AC frequency | 50 / 60 Hz | | | |
| Maximum output current | 8.5 A | 10 A | 15.2 A | 24 A |
| Output THDi (@nominal output) | < 2% | | | |
| Input (DC) | | | | |
| Maximum DC input power | 6650 W | 7980 W | 13300 W | 19950 W |
| Maximum input voltage | 600 V | | | 1000 V |
| MPPT range | 200-550 V | | | 200-850 V |
| Start-up voltage | 180 | | | |
| MPPT range for full load | 240-550 V | 285-550 V | 320-550 V | 480-850 V |
| Nominal DC input voltage | 480 V | | | 620 V |
| Maximum input current | 11 A / 11 A | | 22 A / 11 A | |
| Maximum short circuit current | 13.8 A / 13. 8 A | | 27.6 A / 13. 8 A | |
| No. of MPP trackers | 2 | | | |
| No. of input strings per tracker | 1/1 | | 2/1 | |
| Efficiency | | | | |
| Maximum efficiency | 98.0% | | 98.3% | |
| Euro efficiency | >97.5% | | >98.0% | |
| Protection | | | | |
| Anti-islanding protection | Integrated | | | |
| Input reverse polarity protection | Integrated | | | |
| Insulation resistor detection | Integrated | | | |
| Residual current monitoring unit | Integrated | | | |
| Output over current protection | Integrated | | | |
| Output short protection | Integrated | | | |
| Output over voltage protection | Integrated | | | |
| General Data | | | | |
| Operating temperature range | -25~60 °C | | | |
| Relative humidity | 0~100% | | | |
| Operating altitude | ≤ 4000 m | | | |
| Cooling | Natural convection | | | |
| Noise | < 30dB | | | < 40dB |
| User interface | LCD & LED | | | |
| Communication | RS485 or Wi-Fi | | | |
| Weight | 24 kg | | 26 kg | |
| Size (W x H x D) | 516 x 415 x 192 mm | | 516 x 455 x 192 mm | |
| Protection degree | IP65 | | | |
| Night self-consumption | <1W | | | |
| Topology | Transformerless | | | |
| Manufacturer's warranty | 5 Years | | | |
| Solahart warranty | 5 Years* | | | |
| Certifications & Standards | | | | |
| Grid regulation | VDE0126-1-1, AS4777.2, CEI 0-21 | | | |
| Safety regulation | IEC62109-1&2 | | | |
| EMC | EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-4-16, EN 61000-4-18, EN 61000-4-29 | | | |

* For full details see Solahart Owner's Guide & Installation Instructions.