

# SOLAR POWER SYSTEMS



## GOODWE SINGLE-PHASE INVERTERS

TDS SERIES | 3-5KW | 2 MPPTS



GoodWe TDS series is a perfect match for residential installations thanks to its compact size and light weight. Manufactured for durability and longevity under modern industrial standards, GoodWe TDS series is IP65 rated so it can be mounted either inside or outside your home.

With a low start-up voltage of only 80V and the widest MPPT voltage range of 80-550V, these inverters can provide greater options for your household system. The GoodWe TDS series is also extremely light, 30% lighter than other inverters.

### How you benefit:



#### HIGH EFFICIENCY

97.8% max. Efficiency.



#### FLEXIBLE DESIGN

Ease of installation and maintenance.



#### SAFE OPERATION

Inbuilt DC Isolator.



#### INNOVATIVE

Small, light weight and easy to install.



#### SOLAHART WARRANTY

Enjoy a 10-year warranty, for peace of mind.

| Model                                               | GW3000T-DS                                      | GW5000T-DS  |
|-----------------------------------------------------|-------------------------------------------------|-------------|
| PV String Input Data                                |                                                 |             |
| Max.Input Power (W)                                 | 4000                                            | 6667        |
| Max.Input Voltage (V)                               | 600                                             | 600         |
| MPPT Operating Voltage Range (V) 80-550             | 80-550                                          | 80-550      |
| Start-up Voltage (V)                                | 80                                              | 80          |
| Nominal Input Voltage (V)                           | 360                                             | 360         |
| Max. Input Current per MPPT (A) 11 / 11             | 13 / 13                                         | 13 / 13     |
| Max. Short Circuit Current per MPPT (A) 13.8 / 13.8 | 16.3 / 16.3                                     | 16.3 / 16.3 |
| Number of MPPTs                                     | 2                                               | 2           |
| Number of Strings per MPPT                          | 1                                               | 1           |
| AC Output Data                                      |                                                 |             |
| Nominal Output Power (W)                            | 3000                                            | 5000        |
| Nominal Output Apparent Power (VA)3000              | 3000                                            | 5000        |
| Max. AC Apparent Power (VA)3000                     | 3000                                            | 5000        |
| Nominal Output Voltage (V)                          | 220 / 230                                       | 220 / 230   |
| Nominal AC Grid Frequency (Hz)50 / 60               | 50 / 60                                         | 50 / 60     |
| Max. Output Current (A)                             | 13.6                                            | 22.8        |
| Nominal Output Current (A)                          | 13.6 / 13                                       | 22.8 / 21.7 |
| Output Power Factor                                 | -1 (Adjustable from 0.8 leading to 0.8 lagging) |             |
| Max. Total Harmonic Distortion <3%                  | <3%                                             | <3%         |
| Efficiency                                          |                                                 |             |
| Max. Efficiency                                     | 97.8%                                           | 97.8%       |
| European Efficiency                                 | 97.5%                                           | 97.5%       |
| Protection                                          |                                                 |             |
| Anti-Islanding Protection                           | Integrated                                      | Integrated  |
| DC Reverse Polarity Protection Integrated           | Integrated                                      | Integrated  |
| Residual Current Monitoring Unit Integrated         | Integrated                                      | Integrated  |
| AC Overcurrent Protection                           | Integrated                                      | Integrated  |
| AC Short Circuit Protection                         | Integrated                                      | Integrated  |
| AC Overvoltage Protection                           | Integrated                                      | Integrated  |
| DC Surge Arrester                                   | Type III (Type II Optional)                     |             |
| AC Surge Arrester                                   | Type III                                        |             |
| General Data                                        |                                                 |             |
| Operating Temperature Range (°C) -25-60             | -25-60                                          |             |
| Relative Humidity                                   | 0-100%                                          | 0-100%      |
| Max. Operating Altitude (m)                         | ≤4000                                           | ≤4000       |
| Cooling Method                                      | Natural Convection                              |             |
| Display                                             | LED / LCD / WiFi+APP / Bluetooth+APP            |             |
| Communication                                       | RS485 / WiFi / 4G / 2G / LAN                    |             |
| Weight (Kg)                                         | 13                                              | 13          |
| Dimension (W × H × Dmm)                             | 354 × 433 × 147                                 |             |
| Ingress Protection Rating                           | IP65                                            | IP65        |
| Night Power Consumption (W) <1                      | <1                                              |             |
| Topology                                            | Transformerless                                 |             |
| Country of Manufacture                              | China                                           |             |

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

Specifications and designs included in this data sheet are subject to change without notice.

**Solahart Australia** 1300 769 475 | [solahart.com.au](http://solahart.com.au)

Reorder code: SHDS/INVGW3,5;TDS

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