



## 5K Single Phase Hybrid Inverter GO-5K-TL-SG



### Faster & Bigger

The charging and discharging speed is faster, the charging and discharging current is bigger.



### High Level Protection

IP65, suitable for indoor and outdoor, reliable operation in the face of extreme weather.



### Intelligent Management

Support WiFi and GPRS wireless monitoring, and realize unmanned operation without EMS.



### Ultra Fast Switching

On-grid and off-grid seamless switching, and on/off grid switch time < 1 Oms.



### Superior Performance

Strong output capacity and high load adaptability. Full power output in off grid state.

# Technical Specification

|   |                                    |
|---|------------------------------------|
| <b>Model</b>                            | <b>GO-5K-TL-SG</b>                 |
| <b>PV Parameters</b>                    |                                    |
| Maximum Output Power                    | 6000W                              |
| Maximum DC Voltage                      | 580V                               |
| Maximum Input Current                   | 11A/ 11A                           |
| DC Overcurrent Protection               | 14A                                |
| MPPT Voltage Range                      | 125V~550V                          |
| MPPT Input Circuit Number               | 2                                  |
| <b>Battery Parameters</b>               |                                    |
| Battery Type                            | Lithium battery                    |
| Battery Voltage Range                   | 40V~58V                            |
| Rated Battery Voltage                   | 48V                                |
| Maximum Charge and Discharge Efficiency | 95%/ 94%                           |
| Maximum Charge and Discharge Current    | 70A/ 100A                          |
| <b>AC Side Parameters</b>               |                                    |
| Rated Power Grid Power                  | 5000W                              |
| Power Grid Voltage Range                | 170V-280V                          |
| Rated Power Grid Frequency              | 50/ 60Hz                           |
| Maximum AC Input/ Output Current        | 22.8A/ 22.8A                       |
| Power Factor                            | -0.8 overexcited, 0.8 underexcited |
| THDi                                    | < 3%                               |
| <b>Load Side Parameter</b>              |                                    |
| Rated Power                             | 5000W                              |
| Maximum Output Current                  | 22.8A                              |
| Overcurrent Protection Rated            | 21.7A                              |
| Power Factor                            | -0.8 overexcited, 0.8 underexcited |
| THDi                                    | < 3%                               |
| <b>Efficiency</b>                       |                                    |
| MPPT Power                              | 99.90%                             |
| European Efficiency                     | 97%                                |
| Max. Efficiency                         | 97.60%                             |
| <b>Conventional Parameters</b>          |                                    |
| Dimension (Width/Height/Thickness)      | 495*516*152mm                      |
| Weight                                  | < 25kg                             |
| Operating Temperature                   | -25℃~60℃                           |
| Noise Index                             | 25dB                               |
| Relative Humidity                       | 0%~95%                             |
| Operating Altitude                      | < 2000                             |
| Cooling Mode                            | Natural Cooling                    |
| Protection Level                        | IP65                               |
| <b>Protective Function</b>              |                                    |
| Anti-islanding Protection               | YES                                |
| DC Switch (PV)                          | YES                                |
| Output Overcurrent Protection           | YES                                |
| Output Overvoltage Protection           | YES                                |
| Output Short Circuit Protection         | YES                                |
| <b>Characteristics</b>                  |                                    |
| Display                                 | LED                                |
| Communication Interface                 | RS485/ WIFI/ GPRS                  |
| Quality Guarantee                       | 5 Years Product Warranty           |
|   | 10 Years Performance Warranty      |

\* Under specific test conditions.