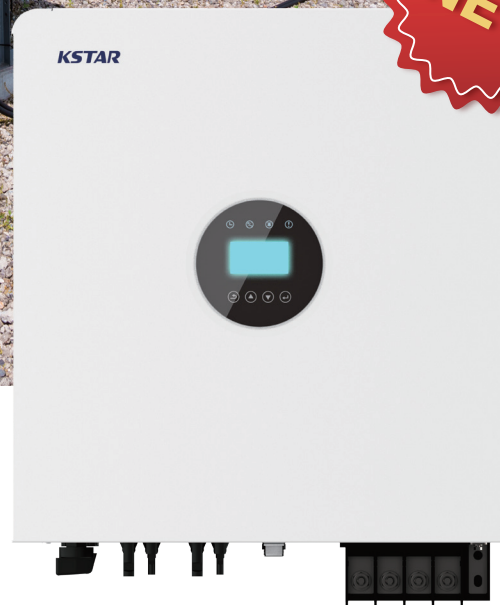


# KSG SERIES THREE PHASE

G50KT / G60KT / G70KT / G80KT



## PV On-Grid String Inverter



Max. PV Voltage up to 1100V  
Type II DC /AC SPD



Reactive Power Control  
WiFi / 4G Plug Optional



DC/AC Ratio up to 1.5  
IP66 Protection



High Efficiency up to 98.6%  
Smaller and Lighter

| MODEL                               | G50KT  | G60KT        | G70KT        | G80KT        |
|-------------------------------------|--|--------------|--------------|--------------|
| <b>Input(DC)</b>                    |  |              |              |              |
| Max. DC Voltage                     | 1100V  | 1100V        | 1100V        | 1100V        |
| Nominal Voltage                     | 650V   | 650V         | 650V         | 650V         |
| Start Voltage                       | 180V   | 180V         | 180V         | 180V         |
| MPPT Voltage Range                  | 200 V~1,000V   | 200 V~1,000V | 200 V~1,000V | 200 V~1,000V |
| Number of MPPT                      | 4  | 4            | 4            | 4            |
| Strings Per MPPT                    | 2  | 2            | 3            | 3            |
| Max. Input Current Per MPPT         | 32A  | 32A          | 45A          | 45A          |
| Max. Short-circuit Current Per MPPT | 48A  | 48A          | 60A          | 60A          |
| <b>Output(AC)</b>                   |  |              |              |              |
| Nominal AC Output Power             | 50000W   | 60000W       | 70000W       | 80000W       |
| Max. AC Output Power                | 55000VA  | 66000VA      | 77000VA      | 88000VA      |
| Nominal AC Voltage                  | 400V 3L+N+PE   |              |              |              |
| AC Voltage Range                    | 400Vac+ -15%   |              |              |              |
| AC Grid Frequency Range             | 50Hz / 60Hz(±5Hz)  |              |              |              |
| Maximum Output Current              | 79.7A  | 95.6A        | 111.6A       | 127.5A       |
| Power Factor(Φ)                     | 0.8leading-0.8lagging  |              |              |              |
| THDi                                | 3%   |              |              |              |
| <b>Efficiency</b>                   |  |              |              |              |
| Max. Efficiency                     | 98.5%  | 98.5%        | 98.6%        | 98.6%        |
| Euro Efficiency                     | 98.2%  | 98.2%        | 98.3%        | 98.3%        |
| <b>Protection Devices</b>           |  |              |              |              |
| DC Switch                           | Yes  |              |              |              |
| Output Over Current Protection      | Yes  |              |              |              |
| Anti-islanding Protection           | Yes  |              |              |              |
| DC Reverse Polarity Protection      | Yes  |              |              |              |
| String Fault Detection              | Yes  |              |              |              |
| DC/AC Surge Protection              | Type II  |              |              |              |
| Residual Current Monitoring         | Yes  |              |              |              |
| AC Short Circuit Protection         | Yes  |              |              |              |
| <b>General Specifications</b>       |  |              |              |              |
| Dimensions W x H x D                | 515x585x287mm  |              |              |              |
| Weight                              | 51kg   |              |              | 55kg         |
| Operating Temperature Range         | -25°C~-+60°C   |              |              |              |
| Cooling Type                        | Fan Cooling  |              |              |              |
| Max. Operating Altitude             | 4000m  |              |              |              |
| Max. Operating Humidity             | 0-100%(No Condensation)  |              |              |              |
| AC Output Terminal Type             | OT terminal  |              |              |              |
| IP Class                            | IP66   |              |              |              |
| Topology                            | Transformer-less   |              |              |              |
| Communication                       | RS485/Wifi/4G  |              |              |              |
| Display                             | LCD  |              |              |              |
| Certification & Standard            | EN/IEC62109-1;EN/IEC62109-2;IEC/EN 61000-6-1;IEC/EN 61000-6-3;IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683; IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1;NC RfG;NRS 097;VDE-AR-N-4105;VDE0126;CEI0-21;C10/C11 |              |              |              |

\* Specifications subject to change without prior notice.

**KSTAR**

Stock code: 002518

Add: 4/F, No.1 Bldg.Software Park, Keji C. Rd. 2nd, Hi-Tech Industrial Zone, Shenzhen 518057, P.R.China

Website: www.kstar.com E-mail: sales@kstar.com