

Three Phase String Inverter

SUN- 15 / 17 K-G05



2 MPPT trackers, Max. efficiency up to 98.5%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

Deye

Stock Code: 605117.SH

| Model | SUN-15K-G05 | SUN-17K-G05 |
|--|---|-------------|
| Input Side | | |
| Max. DC Input Power (kW) | 19.5 | 22.1 |
| Max. DC Input Voltage (V) | 1000 | |
| Start-up DC Input Voltage (V) | 250 | |
| MPPT Operating Range (V) | 200~850 | |
| Max. DC Input Current (A) | 13+26 | |
| Max. Short Circuit Current (A) | 19.5+39 | |
| Number of MPPT / Strings per MPPT | 2/1+2 | |
| Output Side | | |
| Rated Output Power (kW) | 15 | 17 |
| Max. Active Power (kW) | 16.5 | 18.7 |
| Nominal Output Voltage / Range (V) | 3L/N/PE 380V/323V-418V, 400V/340V-440V | |
| Rated Grid Frequency (Hz) | 50 / 60 (Optional) | |
| Operating Phase | Three phase | |
| Rated AC Grid Output Current (A) | 21.7 | 24.6 |
| Max. AC Output Current (A) | 23.9 | 27.1 |
| Output Power Factor | 0.8 leading to 0.8 lagging | |
| Grid Current THD | <3% | |
| DC Injection Current (mA) | <0.5% | |
| Grid Frequency Range | 47~52 or 57~62 (Optional) | |
| Efficiency | | |
| Max. Efficiency | 98.5% | |
| Euro Efficiency | 97.5% | |
| MPPT Efficiency | >99% | |
| Protection | | |
| DC Reverse-Polarity Protection | Yes | |
| AC Short Circuit Protection | Yes | |
| AC Output Overcurrent Protection | Yes | |
| Output Overvoltage Protection | Yes | |
| Insulation Resistance Protection | Yes | |
| Ground Fault Monitoring | Yes | |
| Anti-islanding Protection | Yes | |
| Temperature Protection | Yes | |
| Integrated DC Switch | Yes | |
| Remote software upload | Yes | |
| Remote change of operating parameters | Yes | |
| Surge protection | DC Type II / AC Type II | |
| General Data | | |
| Size (mm) | 333W×472H×202D | |
| Weight (kg) | 15 | |
| Topology | Transformerless | |
| Internal Consumption | <1W (Night) | |
| Running Temperature | -25~65°C, >45°C derating | |
| Ingress Protection | IP65 | |
| Noise Emission (Typical) | <40 dB | |
| Cooling Concept | Smart cooling | |
| Max. Operating Altitude Without Derating | 2000m | |
| Designed Lifetime | >20 years | |
| Grid Connection Standard | CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11 | |
| Operating Surroundings Humidity | 0-100% | |
| Safety EMC / Standard | IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2 | |
| Features | | |
| DC Connection | MC-4 mateable | |
| AC Connection | IP65 rated plug | |
| Display | LCD1602 | |
| Interface | RS485/RS232/Wifi/LAN | |