

Three Phase String Inverter

SUN-15K-G05-AU



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-AU |
|---|--|--|
| Input Side | | |
| Max. DC Input Power (kW) | | 19.5 |
| 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 |
| Max. Apparent Output Power(kW) | | 15 |
| Rated Output Voltage/Range (V) | 3L/N/PE 230/380V, 240/400V | 0.85Un-1.1Un (this may vary with grid standards) |
| Rated Grid Frequency (Hz) | | 50 / 60 (Optional) |
| Operating Phase | | Three phase |
| Rated AC Grid Output Current (A) | | 21.8 |
| Max. AC Output Current (A) | | 21.8 |
| Output Power Factor | | 0.8 leading to 0.8 lagging |
| Total Harmonics Current Distortion (THDi) | | <3% |
| DC Injection Current (mA) | | <0.5% |
| Grid Frequency Range | | 45~55 or 55~65 (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) | 332W×472H×203D (Excluding connectors and brackets) | |
| Weight (kg) | | 15 |
| Topology | | Transformerless |
| Internal Consumption | | <1W (Night) |
| Running Temperature | | -25~65°C |
| Ingress Protection | | IP65 |
| Noise Emission (Typical) | | ≤40 dB |
| Cooling Concept | | Smart cooling |
| Max. Operating Altitude Without Derating | | 4000m |
| Warranty | | 5 years |
| Grid Connection Standard | | AS/NZS 4777.2 |
| 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 | | |
| Display | | LCD1602 |
| Interface | | RS485/RS232/Wifi/LAN |