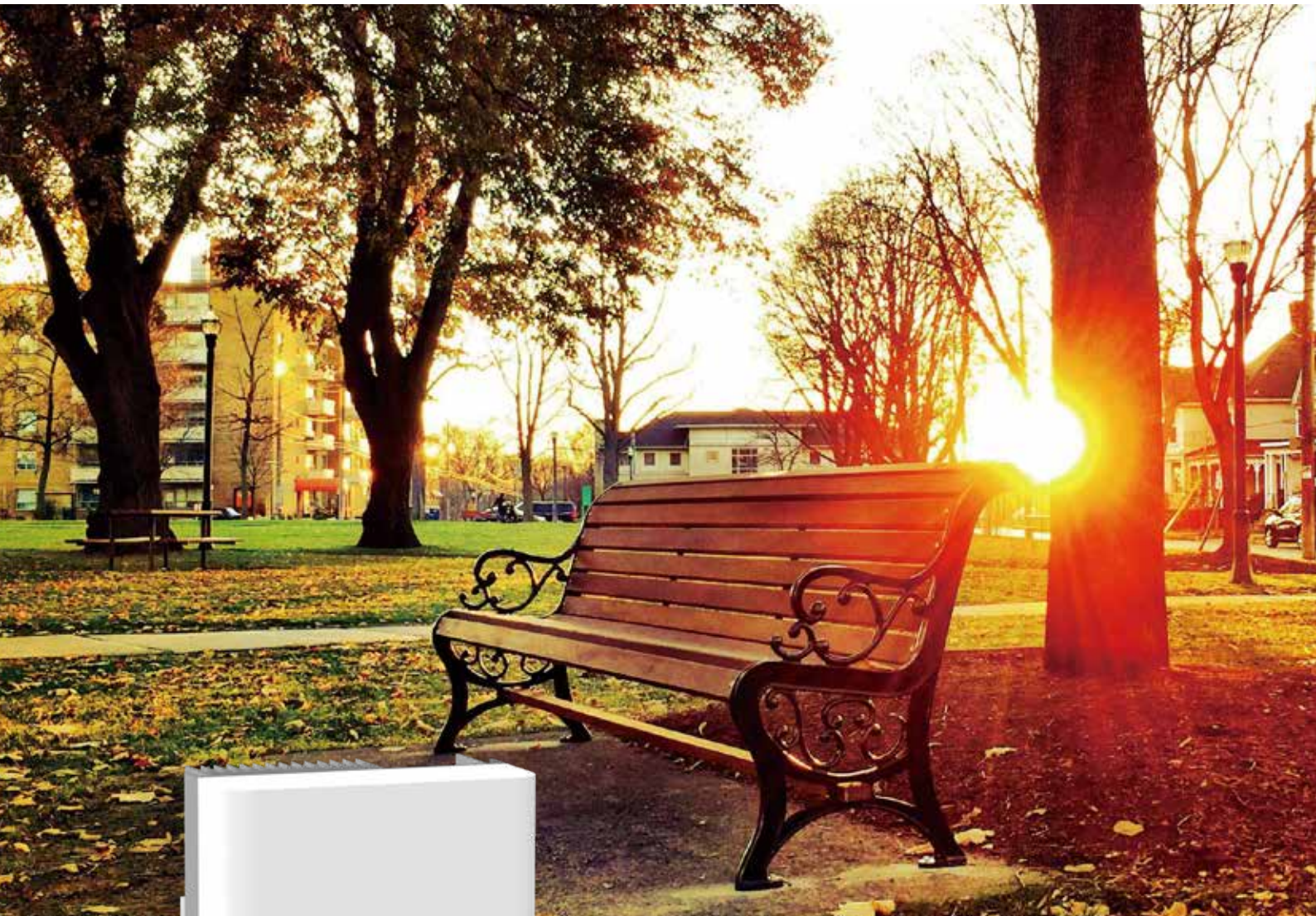


Three Phase String Inverter

SUN- 18 / 20 / 25 K-G04/G05



2 MPPT trackers, Max. efficiency up to 98.6%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

Deye

Stock Code: 605117.SH

| Model | SUN-18K-G04 | SUN-20K-G04 | SUN-25K-G04 | SUN-18K-G05 | SUN-20K-G05 | SUN-25K-G05 |
|--|---|-------------|-------------|----------------|-------------|-------------|
| Input Side | | | | | | |
| Max. DC Input Power (kW) | 23.4 | 26 | 32.5 | 23.4 | 26 | 32.5 |
| Max. DC Input Voltage (V) | 1000 | | | | | |
| Start-up DC Input Voltage (V) | 250 | | | | | |
| MPPT Operating Range (V) | 200~850 | | | | | |
| Max. DC Input Current (A) | 32+32 | | | 26+26 | | |
| Max. Short Circuit Current (A) | 48+48 | | | 39+39 | | |
| No.of MPP Trackers | 2 | | | | | |
| No.of Strings per MPP Tracker | 3 | | | 2 | | |
| Output Side | | | | | | |
| Rated Output Power (kW) | 18 | 20 | 25 | 18 | 20 | 25 |
| Max. Active Power (kW) | 19.8 | 22 | 27.5 | 19.8 | 22 | 27.5 |
| Nominal Output Voltage / Range (V) | 3L/N/PE 220/380V, 230/400V | | | | | |
| Rated Grid Frequency (Hz) | 50 / 60 (Optional) | | | | | |
| Operating Phase | Three phase | | | | | |
| Rated AC Grid Output Current (A) | 27.3/26.1 | 30.3/29 | 37.9/36.2 | 27.3/26.1 | 30.3/29 | 37.9/36.2 |
| Max. AC Output Current (A) | 30/28.7 | 33.3/31.9 | 41.7/39.8 | 30/28.7 | 33.3/31.9 | 41.7/39.8 |
| 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 | 98.6% | | | | | |
| Euro Efficiency | 97.8% | | | | | |
| 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) | 330W×508H×206D | | | 362W×527H×220D | | |
| Weight (kg) | 20.8 | | | 20 | | |
| 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 | | | | | |
| Warranty | 5 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 | | | | | |