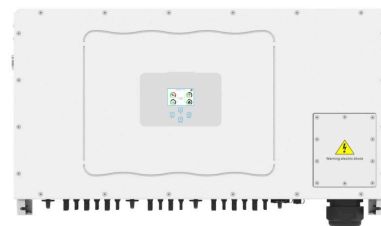


**INVERTERS**

# SUN-60-75K-G01P3-EU-AM8-LV

String inverter · Three-phase · 60 – 75 kW · 3 models


**60 – 75** kW

RATED POWER

**Three-phase**

PHASE

**8**

MPPT TRACKERS

**98.7** %

MAX. EFFICIENCY

| Parameter                                     | Unit | SUN-60K-G01P3-EU-AM8-LV | SUN-70K-G01P3-EU-AM8-LV | SUN-75K-G01P3-EU-AM8-LV |
|-----------------------------------------------|------|-------------------------|-------------------------|-------------------------|
| PV input                                      |      |                         |                         |                         |
| Max. PV input power                           | W    | 90000                   | 105000                  | 112500                  |
| Max. PV input voltage                         | V    | 800                     |                         |                         |
| Start-up voltage                              | V    | 250                     |                         |                         |
| MPPT voltage range                            | V    | 200 – 700               |                         |                         |
| Rated PV input voltage                        | V    | 500                     |                         |                         |
| Max. input current per MPPT                   | A    | 40                      |                         |                         |
| Max. short-circuit current per MPPT           | A    | 60                      |                         |                         |
| Number of MPPT trackers                       |      | 8                       |                         |                         |
| PV strings per MPPT                           |      | 4                       |                         |                         |
| AC output                                     |      |                         |                         |                         |
| Rated output power                            | W    | 60000                   | 70000                   | 75000                   |
| Max. apparent power                           | VA   | 60000                   | 70000                   | 75000                   |
| Rated AC voltage                              | V    | 230                     |                         |                         |
| Rated AC voltage options (phase / line)       | V    | 127/220; 133/230        |                         |                         |
| AC voltage range                              |      | 0.85 Un-1.1 Un          |                         |                         |
| Phase                                         |      | Three-phase             |                         |                         |
| Grid connection form                          |      | 3L / N / PE             |                         |                         |
| Rated AC output current                       | A    | 150.4                   | 175.5                   | 188                     |
| Rated AC output current at 220 V line voltage | A    | 157.5                   | 183.8                   | 196.9                   |
| Max. AC output current                        | A    | 150.4                   | 175.5                   | 188                     |
| Max. AC output current at 220 V line voltage  | A    | 157.5                   | 183.8                   | 196.9                   |

| Parameter                               | Unit  | SUN-60K-G01P3-EU-AM8-LV                                                                                                                                                                                                                                                                                                               | SUN-70K-G01P3-EU-AM8-LV | SUN-75K-G01P3-EU-AM8-LV |
|-----------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|
| Rated AC frequency                      | Hz    | 50/60                                                                                                                                                                                                                                                                                                                                 |                         |                         |
| AC grid frequency range (50 Hz / 60 Hz) | Hz    | 45-55 / 55-65                                                                                                                                                                                                                                                                                                                         |                         |                         |
| Power factor                            |       | 0.8 leading to 0.8 lagging (adjustable)                                                                                                                                                                                                                                                                                               |                         |                         |
| Total harmonic distortion (THDi)        | %     | <3                                                                                                                                                                                                                                                                                                                                    |                         |                         |
| DC injection current                    |       | <0.5% In                                                                                                                                                                                                                                                                                                                              |                         |                         |
| Efficiency                              |       |                                                                                                                                                                                                                                                                                                                                       |                         |                         |
| Max. efficiency                         | %     | 98.7                                                                                                                                                                                                                                                                                                                                  |                         |                         |
| MPPT efficiency                         | %     | >99                                                                                                                                                                                                                                                                                                                                   |                         |                         |
| Protection                              |       |                                                                                                                                                                                                                                                                                                                                       |                         |                         |
| Protection functions                    |       | DC reverse polarity protection; AC output overcurrent protection; AC output overvoltage protection; AC output short-circuit protection; Thermal protection; Insulation impedance detection; DC component monitoring; Arc fault circuit interrupter (AFCI)(optional); Anti-islanding protection; Residual current detection; DC switch |                         |                         |
| Surge protection level                  |       | Type II (DC), Type II (AC)                                                                                                                                                                                                                                                                                                            |                         |                         |
| Anti-PID function                       |       | Optional                                                                                                                                                                                                                                                                                                                              |                         |                         |
| General data                            |       |                                                                                                                                                                                                                                                                                                                                       |                         |                         |
| Dimensions (W x H x D)                  | mm    | 1006 × 516 × 325.5                                                                                                                                                                                                                                                                                                                    |                         |                         |
| Weight                                  | kg    | 103                                                                                                                                                                                                                                                                                                                                   |                         |                         |
| Ingress protection (IP rating)          |       | IP65                                                                                                                                                                                                                                                                                                                                  |                         |                         |
| Operating temperature range             | °C    | -25 – 60                                                                                                                                                                                                                                                                                                                              |                         |                         |
| Power derating above                    | °C    | 45                                                                                                                                                                                                                                                                                                                                    |                         |                         |
| Relative humidity                       | %     | 0 – 100                                                                                                                                                                                                                                                                                                                               |                         |                         |
| Max. operating altitude                 | m     | 4000                                                                                                                                                                                                                                                                                                                                  |                         |                         |
| Noise level                             | dB    | ≤55                                                                                                                                                                                                                                                                                                                                   |                         |                         |
| Cooling                                 |       | Intelligent air cooling                                                                                                                                                                                                                                                                                                               |                         |                         |
| Topology                                |       | Non-isolated                                                                                                                                                                                                                                                                                                                          |                         |                         |
| Overvoltage category                    |       | OVC II (DC), OVC III (AC)                                                                                                                                                                                                                                                                                                             |                         |                         |
| Warranty                                | years | 5                                                                                                                                                                                                                                                                                                                                     |                         |                         |
| Communication                           |       |                                                                                                                                                                                                                                                                                                                                       |                         |                         |
| Communication interfaces                |       | RS485; RS232                                                                                                                                                                                                                                                                                                                          |                         |                         |
| Monitoring                              |       | GPRS / Wi-Fi / Bluetooth / 4G / LAN (optional)                                                                                                                                                                                                                                                                                        |                         |                         |
| String intelligent monitoring           |       | Optional                                                                                                                                                                                                                                                                                                                              |                         |                         |
| Certifications                          |       |                                                                                                                                                                                                                                                                                                                                       |                         |                         |
| Certifications and standards            |       | IEC/EN 61000-6-1/2/3/4; IEC/EN 62109-1; IEC/EN 62109-2                                                                                                                                                                                                                                                                                |                         |                         |
| Grid codes                              |       | NBR 16149; NBR 16150; EN 50549; RD 140                                                                                                                                                                                                                                                                                                |                         |                         |

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.

XUSION is a brand of Hunan New Lithium Aviation Technology Co., Ltd.

E-mail [lidreamtec@163.com](mailto:lidreamtec@163.com)

WhatsApp +86 133 5280 0772