

Solis-3P15K-4G

Solis 4G Three Phase Inverters



Features:

- ▶ Solis 3P 4G Three Phase Range
- ▶ 160V-850V MPPT voltage range- ultra low startup
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ THDi<1.5%, low harmonic distortion against grid
- ▶ Over 98.7% Max. efficiency
- ▶ Multiple protections functions
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-plus access to Android and Apple apps



Model:

Solis-3P15K-4G

Datasheet

| Model Name | Solis-3P15K-4G |
|--|---|
| Input DC | |
| Max. DC input power(kW) | 22.5 |
| Max. DC input voltage(V) | 1000 |
| Nominal DC voltage(V) | 600 |
| Start-up voltage(V) | 180 |
| MPPT voltage range(V) | 160-850 |
| Max. input current(A/B) | 22A+22A |
| Max. Short Circuit current for each MPPT | 34.3A+34.3A |
| MPPT number/ Max input strings number | 2/4 |
| Output AC | |
| Rated output power(kW) | 15 |
| Max. apparent output power(kVA) | 16.5 |
| Rated grid voltage(V) | 400 |
| Rated grid frequency(Hz) | 50/60 |
| Operation phase | Three Phase |
| Rated grid output current(A) | 21.7 |
| Max. output current(A) | 23.8 |
| Power Factor (at rated output power) | 0.8leading ... 0.8lagging |
| THDi (at rated output power) | <1.5% |
| Efficiency | |
| Max. efficiency | 98.7% |
| EU efficiency | 98.1% |
| MPPT efficiency | >99.5% |
| Protection | |
| DC reverse-polarity protection | Yes |
| Insulation resistance monitoring | Yes |
| Residual current detection | Yes |
| Surge protection | Yes |
| Grid monitoring | Yes |
| Islanding protection | Yes |
| General Data | |
| Dimensions(mm) | 563*310*219mm |
| Weight (kg) | 18.9 |
| Topology | Transformerless |
| Self consumption (night) | <1W (Night) |
| Operating ambient temperature range | -25~60°C |
| Relative humidity | 0~100% |
| Ingress protection | IP65 |
| Noise emission(typical) | <60 dBA |
| Cooling concept | Intelligent fan-cooling |
| Max. operation altitude | 4000m |
| Grid connection standard | EN50549, AS4777, VDE0126-1-1, IEC61727, G98, G99 |
| Safety/EMC standard | IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4 |
| Features | |
| DRM | Yes |
| DC connection | MC4 |
| AC connection | Terminal connectors |
| Display | LCD, 2x20 Z. |
| Communication connections | 4 Pin RS485 connector |
| Monitoring | WiFi or GPRS |
| Warranty | 5 years (extend to 20 years) |