

Sigen PV Inverter

5.0 – 25.0 kW Three Phase



- Easy installation with side cabling
- Visible energy tracking on mySigen APP
- WLAN, Ethernet & 4G communication
- DC/AC ratio up to 1.6
- Up to 4 MPP trackers
- IP66 protection rating

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Preliminary

| Sigen PV Max | 5.0 TP | 6.0 TP | 8.0 TP | 10.0 TP | 12.0 TP | 15.0 TP | 17.0 TP | 20.0 TP | 25.0 TP | Units | |
|-------------------------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---|----|
| DC Input | | | | | | | | | | | |
| Max. PV power | 8000 | 9600 | 12800 | 16000 | 19200 | 24000 | 27200 | 32000 | 40000 | W | |
| Max. DC input voltage | | | | | | | | | | 1100 | V |
| Nominal DC input voltage | | | | | | | | | | 600 | V |
| Start-up voltage | | | | | | | | | | 180 | V |
| MPPT voltage range | | | | | | | | | | 160 ~ 1000 | V |
| Number of MPP. trackers | 2 | | | 3 | | | 4 | | | | |
| Number of PV strings per MPPT | | | | | | | | | | 1 | |
| Max. input current per MPPT | | | | | | | | | | 16 | A |
| Max. short-circuit current per MPPT | | | | | | | | | | 20 | A |
| AC Output | | | | | | | | | | | |
| Nominal output power | 5000 | 6000 | 8000 | 10000 | 12000 | 15000 | 17000 | 20000 | 25000 | W | |
| Max. output apparent power | 5500 | 6600 | 8800 | 11000 | 13200 | 16500 | 18700 | 22000 | 27500 | VA | |
| Nominal output current | 7.6 | 9.1 | 12.2 | 15.2 | 18.2 | 22.8 | 25.8 | 30.4 | 38.0 | A | |
| Max. output current | 8.4 | 10.0 | 13.4 | 16.7 | 20.1 | 25.1 | 28.4 | 33.4 | 41.8 | A | |
| Nominal output voltage | | | | | | | | | | 380 / 400 | V |
| Nominal grid frequency | | | | | | | | | | 50 / 60 | Hz |
| Power factor | | | | | | | | | | 0.8 leading ~ 0.8 lagging | |
| Total current harmonic distortion | | | | | | | | | | THDi < 2% | |
| Efficiency | | | | | | | | | | | |
| Max. efficiency | | | | | | | | | | 98.4% | |
| European efficiency | | | | | | | | | | 98.0% | |
| General Data | | | | | | | | | | | |
| Dimensions (W / H / D) | | | | | | | | | | 700 / 300 / 283 | mm |
| Weight | | | | | | | | | | 30 | kg |
| Storage temperature range | | | | | | | | | | -40 ~ 70 | °C |
| Operating temperature range | | | | | | | | | | -30 ~ 60 | °C |
| Relative humidity range | | | | | | | | | | 0% ~ 95% | |
| Max. operating altitude | | | | | | | | | | 4000 | m |
| Cooling | | | | | | | | | | Smart air cooling | |
| Ingress protection rating | | | | | | | | | | IP66 | |
| Installation method | | | | | | | | | | Wall-mounted | |
| Communication | | | | | | | | | | WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G) | |
| Monitoring & Protection | | | | | | | | | | | |
| Anti-islanding protection | | | | | | | | | | Supported | |
| DC reverse polarity protection | | | | | | | | | | Supported | |
| Insulation monitoring | | | | | | | | | | Supported | |
| DC surge protection | | | | | | | | | | Supported | |
| AC surge protection | | | | | | | | | | Supported | |
| Residual current monitoring | | | | | | | | | | Supported | |
| AC overcurrent protection | | | | | | | | | | Supported | |
| AC short-circuit protection | | | | | | | | | | Supported | |
| AC overvoltage protection | | | | | | | | | | Supported | |