

Sigen Hybrid Inverter 3.0–6.0 kW Single Phase Australia

| Sigen Hybrid | 3.0 SP | 3.6 SP | 4.0 SP | 4.6 SP | 5.0 SP | 6.0 SP | Units |
|-------------------------------------|--------|--------|---|--------|--------|--------|-------|
| DC Input | | | | | | | |
| Max. PV power | 6000 | 7360 | 8000 | 9200 | 10000 | 12000 | W |
| Max. DC input voltage | | | 600 | | | | V |
| Nominal DC input voltage | | | 350 | | | | V |
| Start-up voltage | | | 100 | | | | V |
| MPPT voltage range | | | 50 ~ 550 | | | | V |
| Number of MPP. trackers | | | 2 | | | | |
| Number of PV strings per MPPT | | | 1 | | | | |
| Max. input current per MPPT | | | 16 | | | | A |
| Max. short-circuit current per MPPT | | | 20 | | | | A |
| AC Output (on-grid) | | | | | | | |
| Nominal output power | 3000 | 3680 | 4000 | 4600 | 4999 | 6000 | W |
| Max. output apparent power | 3300 | 3680 | 4400 | 4999 | 4999 | 6600 | VA |
| Nominal output current | 13.6 | 16.0 | 18.2 | 20.9 | 21.7 | 27.3 | A |
| Max. output current | 15.0 | 16.0 | 20.0 | 21.7 | 21.7 | 30.0 | A |
| Nominal output voltage | | | 220 / 230 / 240 | | | | V |
| Nominal grid frequency | | | 50 / 60 | | | | Hz |
| Power factor | | | 0.8 leading ~ 0.8 lagging | | | | |
| Total current harmonic distortion | | | THDi < 2% | | | | |
| Efficiency | | | | | | | |
| Max. efficiency | | | 98.0% | | | | |
| European efficiency | 97.0% | 97.1% | 97.2% | 97.3% | 97.4% | 97.4% | |
| Additional Features | | | | | | | |
| Compatible battery module | | | SigenStor BAT 5.0 / 8.0 | | | | |
| Number of modules per controller | | | 1 ~ 6 | | | | pcs |
| Battery module voltage range | | | 300 ~ 600 | | | | V |
| Nominal output voltage | | | 220 / 230 / 240 | | | | V |
| Protection | | | | | | | |
| Safety protection feature | | | DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Arc fault circuit interrupter ¹ , AC overcurrent/overvoltage/short-circuit protection. Type II DC/AC surge protection, Anti-islanding protection | | | | |
| Inverter topology | | | Non-isolation | | | | |
| Protective class | | | I | | | | |
| Overvoltage category | | | DC II, AC III | | | | |
| Active anti-islanding protection | | | Frequency shift | | | | |
| General Data | | | | | | | |
| Dimensions (W / H / D) | | | 700 / 300 / 268 | | | | mm |
| Weight | | | 18 | | | | kg |
| Storage temperature range | | | -40 ~ 70 | | | | °C |
| Operating temperature range | | | -30 ~ 60 | | | | °C |
| Relative humidity range | | | 0% ~ 95% | | | | |
| Max. operating altitude | | | 4000 | | | | m |
| Cooling | | | Natural convection | | | | |
| Ingress protection rating | | | IP66 | | | | |
| Installation method | | | Wall-mounted | | | | |
| Communication | | | WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G) | | | | |

1. This is an optional feature only supported in certain models, please contact Sigenenergy for more information.

2. For all standards refer to the certificates category in the Sigenenergy website.

* Country of manufacture: China

Sigen PV Inverter 3.0–6.0 kW Single Phase Australia

| Sigen PV Max | 3.0 SP | 4.0 SP | 5.0 SP | 6.0 SP | Units |
|-------------------------------------|---|---------------------------|--------|--------|-------|
| DC Input | | | | | |
| Max. PV power | 6000 | 8000 | 10000 | 12000 | W |
| Max. DC input voltage | | 600 | | | V |
| Nominal DC input voltage | | 350 | | | V |
| Start-up voltage | | 100 | | | V |
| MPPT voltage range | | 50 ~ 550 | | | V |
| Number of MPP. trackers | | 2 | | | |
| 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 | 3000 | 4000 | 4999 | 6000 | W |
| Max. output apparent power | 3300 | 4400 | 4999 | 6600 | VA |
| Nominal output current | 13.6 | 18.2 | 21.7 | 27.3 | A |
| Max. output current | 15.0 | 20.0 | 21.7 | 30.0 | A |
| Nominal output voltage | | 220 / 230 / 240 | | | V |
| Nominal grid frequency | | 50 / 60 | | | Hz |
| Power factor | | 0.8 leading ~ 0.8 lagging | | | |
| Total current harmonic distortion | | THDi < 2% | | | |
| Efficiency | | | | | |
| Max. efficiency | | 98.0% | | | |
| European efficiency | 97.0% | 97.2% | 97.4% | 97.4% | |
| Protection | | | | | |
| Safety protection feature | DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Arc fault circuit interrupter ¹ , AC overcurrent/overvoltage/short-circuit protection. Type II DC/AC surge protection, Anti-islanding protection | | | | |
| Inverter topology | Non-isolation | | | | |
| Protective class | I | | | | |
| Overvoltage category | DC II, AC III | | | | |
| Active anti-islanding protection | Frequency shift | | | | |
| General Data | | | | | |
| Dimensions (W / H / D) | 700 / 300 / 268 | | | | mm |
| Weight | 18 | | | | kg |
| Storage temperature range | -40 ~ 70 | | | | °C |
| Operating temperature range | -30 ~ 60 | | | | °C |
| Relative humidity range | 0% ~ 95% | | | | |
| Max. operating altitude | 4000 | | | | m |
| Cooling | Natural convection | | | | |
| Ingress protection rating | IP66 | | | | |
| Installation method | Wall-mounted | | | | |
| Communication | WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G) | | | | |

1. This is an optional feature only supported in certain models, please contact Sigenenergy for more information.

2. For all standards refer to the certificates category in the Sigenenergy website.

* Country of manufacture: China