

SWEES

Grid Tie Inverter

SWG PU SERIES

- SWG 10000 PU
- SWG 30000 PU

FEATURES

- The Lightest – 3Phase PV Inverter
- Integrated DC switch, Data logger, Web server
- Ethernet and Optional Wi-Fi
- Cloud web portal
- Die – cast Enclosure
- IP65 Protection



Technical Specification

| Model No. | SWG 10000 PU | SWG 30000 PU |
|---------------------------------------|--|--|
| INPUT (DC) | | |
| Max. Power | 11000W | 33000W |
| MPPT Range | 500~850Vdc | 500~780Vdc |
| Working Range | 180~980Vdc | 180~980Vdc |
| Max. DC Voltage | 1000Vdc | 1000Vdc |
| Min. Feed in Voltage | 260Vdc | 260Vdc |
| Shut down Voltage | 120Vdc | 120Vdc |
| Max. DC Current | 11.5A x 2 | 35A x 2 |
| No. of MPP Tracker | 2 | 2 |
| String per MPPT | 1 | 3 |
| Output (AC) | | |
| Nom. Power | 10000W | 30000W |
| Max. Power | 11200VA | 33400VA |
| Nominal Voltage | 230V/400VAC (-15% + 10%) | |
| Nominal Freq | 50Hz (47Hz ~ 52Hz) | |
| Rated Current | 16.5A | 49A |
| Power factor at rated power | 0.99 | |
| Power factor range | - 0.8 ~ + 0.8 | |
| Night Power consumption | 3.5W | |
| Efficiency | | |
| Max. Efficiency | 97.9% | 98.3% |
| Euro Efficiency | 97.2% | 98.1% |
| General | | |
| Temp. Range | -25 ~55°C | -25~60°C |
| Topology | Transformer less | |
| Protection | IP65 | |
| Humidity | 0 ~ 100%, Non condensing | |
| Cooling | Force – Air cooling | |
| Features | | |
| LCD | 1602LCD | |
| Interface | RS485 / Ethernet / WIFI | |
| Data logging | Yes (thro USB) | |
| Mechanical | | |
| Dimension (W x H x D) mm | 418 x 485 x 196 | 418 x 485 x 316 |
| Weight Kg | 24 | 52 |
| Input pairs | 2 | 6 |
| DC Switch | Internal | |
| Output Connection | Terminal Block | |
| Mounting Information | Wall Mountable | |
| Compliance | | |
| Safety | IEC - 62109-1 (2010); IEC - 62109 - 2 (2011) | |
| Efficiency | IEC - 61683 | |
| Environment | IEC - 60068 - 2 - 1,2,14,30 | |
| Grid Interface & Islanding Prevention | IEC 61727:2004; IEC 62116:2008 | |
| EMI & EMC | IEC 61000-6-2, 3; IEC 61000-3-2, 3 | IEC 61000-6-2, 4 IEC 61000-3-11, 12 |

*Specifications subject to change without prior notice

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