

SI serie



| Model | SI 612, 624, 648 | SI 812, 824 | SI 1212, 1224, 1248 | SI 1624 | SI 2324, 2348 | SI 3324 | SI 3548 |
|--|--|-------------|---------------------|---------|---------------|---------|---------|
| Inverter | | | | | | | |
| Voltage input (Unom) [V] | 12/24/48 | 12/24 | 12/24/48 | 24 | 24V/48 | 24 | 48 |
| Input voltage range | Min. - Max. : < Unom x 0.95 to Unom x 1.33 | | | | | | |
| Dynamic correction of Umin. | - 10% @ Pnom | | | | | | |
| Continuous power [VA] | 600 | 800 | 1200 | 1600 | 2300 | 3300 | 3500 |
| Power 15 min. @ 25°C | 1.3 – 1.6 x Pnom / 25°C | | | | | | |
| Power 3 min. @ 25°C | 1.6 – 2 x Pnom / 25°C | | | | | | |
| Power 5 sec. @ 25°C | 3.5 x Pnom | | | | | | |
| Asymmetric load | Up to 2 x Pnom | | | | | | |
| Load detection (stand-by) | Adjustable: 0.3 → 20W | | | | | | |
| Cos φ | 0.1 – 1 | | | | | | |
| Maximum Efficiency [%] | 91 | 92 | 93 - 95 | 93 - 95 | 95 | 95 | 95 |
| «Stand-by» current [mA] | 25/21/10 | 25/21 | 25/21/12 | 21 | 25/17 | 25 | 30 |
| Power «ON» no load [W] | 2.6 | 2.8 | 4.8 | 5.8 | 9 | 13 | 17 |
| Power «ON» no load [W] TWINPOWER system | | | < 0.5 | < 0.5 | < 0.6 | < 0.7 | < 0.8 |
| Output voltage | Sine wave 230 Vac ± 3% | | | | | | |
| Frequency | 50 Hz ± 0.01% (crystal controlled) | | | | | | |
| Distortion | < 2% (at Pnom) | | | | | | |
| Dynamic behaviour | From 0% to 100% load change. Normalization : 0.5 ms | | | | | | |
| Protections | Overload/Overheat/Short-circuit/Reverse polarity by internal fuse | | | | | | |
| Overheating protection | 75°C ± 3°C | | | | | | |
| General data | | | | | | | |
| Weight | 6.9 | 10.4 | 13.2 | 15.2 | 27 | 30 | 38 |
| Length L x 124 (H) x 215 (W) [mm] | 276 | | 391 | | 591 | 636 | 791 |
| IP protection index | IP 20 complies with DIN 40050 / IP 22 with top cover C-IP22 | | | | | | |
| EC conformity | EN 61000-6-1, EN 61000-6-3, EN 55014, EN 55022, Dir. 89/336/EEC, LVD 73/23/EEC | | | | | | |
| Forced ventilation | From 45°C + 3°C | | | | | | |
| Acoustic level | <40dB / <45dB (without/with ventilation) | | | | | | |
| Options | | | | | | | |
| 3-phase system (per unit) (-PE) | | | • | • | • | • | • |
| TwinPower system (-TP) | | | • | • | • | • | • |
| Top cover IP 22 (C-IP22) | • | • | • | • | • | • | • |
| Potential free alarm contact (60V/0.5A) (-A) | • | • | • | • | • | • | • |
| Solar charge controller 16A/12-24V (-S) | • | • | | | | | |
| Industrial casing in 19" rack - 3U x 400 mm (-IND) | | | • | • | • | • | • |

Other output specifications on request (Ex: 120V/60Hz)