



## SI Sinewave INVERTER

### Technical data

Model SI	612 624 648	812 824	1212 1224 1248	1624	2324 2348	3324	3548
Input voltage (Unom) [V]	12/24/48	12/24	12/24/48	24	24V/48	24	48
Nominal power [W]	600	800	1200	1600	2300	3300	3500
« Standby » current [mA] Power « ON » no load [W]	25/21/10 2.6	25/21 2.8	25/21/12 4.8	21 5.8	25/17 9	25 13	30 17
Power « ON » no load [W] TWINPOWER system	-----	-----	< 0.5	< 0.5	< 0.6	< 0.7	< 0.8
Maximum efficiency [%]	91	92	93 - 95	93 - 95	95	95	95
Length L x 124 (H) x 215 (W) [mm]	206	276	391	391	591	636	791
Weight [kg]	6.9	10.4	13.2	15.2	22.8	29	31

Input voltage	Min. - Max.: < Unom x 0.95 to Unom x 1.33
Dynamic correction of Umin.	- 10% at Pnom
Output voltage	True sine 230 Vac ±3%
Distortion	< 2% (at Pnom)
Dynamic behaviour	From 0% to 100% load change. Normalization: 0.5 ms
Frequency	50 Hz ±0.01% (Crystal control)
Charge detection (standby)	Adjustable: 0.3 → 20 W
Maximum power 15 min	1.3 – 1.6 x Pnom / 25°C
Maximum power 3 min	1.6 – 2 x Pnom / 25°C
Peak power 5s	3.5 x Pnom
Asymmetric load	Up to 2 x Pnom
Cos φ	0.1 – 1
Protections	Overload/Overheat/Short-circuit/Reverse polarity by internal fuse
IP protection index	IP 20 complies with DIN 40050/IP 23 with top cover
Forced ventilation	From 45°C ± 3°C
Overheating protection	75°C ± 3°C
Required battery capacity	> 5x Pnom/Unom (recommended value)
Acoustic level	Without ventilation: < 10 dB      With ventilation:< 35 dB
EEC conformity	EN50081 I/II, EN 55014 - EN 55022, EN 61000-3-2 IEC 801 I/II/III/IV, CEI 555, IEC 1000-3-2, LVD 73/23/EEC

### Options

3-phased system (per unit) from SI 1200	SIxxxxPE
TwinPower system from SI 1200	SIxxxxTP
Top cover IP 23	SIxxxxIP23
Potential free alarm contact (60V/0.5A) for all models	SIxxxxA
Solar charge controller 16A/12-24V for SI 600 and SI 800	SIxxxxS

Other specifications on request (e.g: 110V/60Hz Output).