

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)