

SOLTARO INVERTER

4G Three Phase 2MPPT



Class Leading Features

- Over 98% Max. efficiency
- Dual MPPT design with precise MPPT algorithm
- 200V-800V input range
- Compact and light design for one person install
- IP65, visually pleasing for domestic environment
- RS 485, WiFi/GPRS (optional) interface
- Numerous protection functions
- WiFi and monitoring, smart phone app available
- 5 year standard warranty, 10 year premium warranty



Datasheet

Model	Soltaro 6K-4G	Soltaro 10K-4G	Soltaro 15K-4G
Energy source	PV		
Input Side (DC)			
Max. input power (kW)	6.9	11.5	16.5
Max. Input voltage (V)	1000		
Start up input voltage (V)	330		
MPPT voltage range (V)	200-800		
Max. input current (A)	15+15	18+18	
MPPT number/ Max input strings	2/2	2/4	
Output Side (AC)			
Rated output power (kW)	6.0	10	15
Max. transient power (kW)	6.6	11	15
Rated grid voltage (V)	380/400		
Grid voltage range (V)	313-470 (adjustable)		
Rated grid frequency (Hz)	50/60		
Operating phase	Three		
Max. output current (A)	10	16.7	25
Power factor	0.8 leading... 0.8 lagging		
Total harmonic distortion (THDi)	Total THDi<3%		
DC injection current (mA)	<20		
Grid frequency range (Hz)	47-52 or 57-62 (adjustable)		
Efficiency			
Max. efficiency	98.2%		98.3%
EU efficiency	97.3%		97.5%
MPPT efficiency	99.9%		
Protection			
DC reverse-polarity protection	Yes		
Short circuit protection	Yes		
Output over current protection	Yes		
Output over voltage protection	Yes		
Insulation resistance monitoring	Yes		
Residual current detection	Yes		
Surge protection	Yes		
Grid monitoring	Yes		
Islanding protection	Yes		
Temperature protection	Yes		
General Data			
Dimensions (mm)	430W x 613H x 269D		
Weight (kg)	29		30
Topology	Transformerless		
Self consumption	<1W (night)		
Operating ambient temp. range	-25°C ~ 60°C		
Ingress protection	IP65		
Noise emission (typical)	<30 dBA		
Cooling concept	Natural convection		
Max. operating altitude	4000m		
Designed lifetime	>20 years		
Grid Connection standard	EN50438,G59/3,AS4777,VDE0126-1-1,IEC61727		
Relative humidity	0 ~ 100%		
Safety/EMC standard	IEC62109-1/-2,AS3100,EN61000-6-1,EN61000-6-3		
Features			
DC connection	Original MC4 connector		
AC connection	IP67 rated plug		
Display	LCD, 2 x 20 Z		
Interface	RS485, WiFi/GPRS (optional)		
Warranty	5-10 years		