

Technical Data ATON series

MODEL	GCA-500	GCA-502
Power - kW	1.5	2.5
Input		
MPPT voltage range	200 ÷ 400 V	
Max voltage in no-load operation	430 V	
Max input current	8 A	13 A
Number of MPPT	1	
Output		
Wave-form	SINE WAVE	
Harmonic distortion	< 2%	
Phases	Monophase	
Voltage	230 V ± 20% (operation in grid connection) / 230 V ± 1% (operation in stand-alone)	
Frequency	50 Hz ± 1% (operation in grid connection) / 50 Hz ± 0.05% (operation in stand-alone)	
Current	6.5 A	11 A
Short-circuit current	10 A	16 A
Stand-by consumption	< 10 W	
Power factor	0.99 at full load	
Efficiency	> 90%	
Earth fault detection	Yes	
Batteries	Optional	
Voltage	216 V	
Protections		
DC side	< 100 V; > 430 V	
Earth fault detection	> 30 mA	
Mains voltage	230 V ± 20%	
Mains frequency	50 ± 0.5 Hz	
Mains impedance	> 1.25 ohm	
Against input overvoltages	Yes	
Short-circuit	With electronic protection	
Overload	125% for 10 min., 150% for 1 min., 200% for 0.1 sec.	
Signals		
Led	On, Stand-by, Fault	
Display	Standard	
External communication	RS485 - SNMP - CAN (Optional)	
Environmental		
Operating temperature	0°C ÷ 50°C	
Non-condensing humidity	0% ÷ 90%	
Noise (at 1 m)	< 50 dBA	
Cooling	Forced	
Dimensions		
W x D x H - mm	320 x 240 x 780	
Weight - kg	39	45
CE Marking	EEC 73/23; EEC 89/336; EEC 92/31	
Compliance with the standards	EN 60950-1; EN 61000-6-3; EN 61000-6-1; EN 61000-3-2; EN 61000-3-3; EN 55022; EN 55014-1; IEEE 929; IEC 146; CEI 11-20	



Factory - Head Office
 S. P. km 5,300 C/da San Cusumano - 91100 Trapani - Italy
 Tel. +39 0923 562794 - Fax +39 0923 567880
 Http://www.layer.it - E-mail: layer@layer.it