

"One Source, Many Solutions"

AIRKOM®

SINGLE PHASE GRID-TIED INVERTER

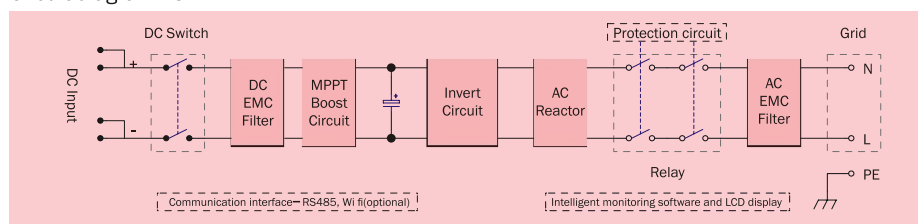
ASP-GT SERIES - 1.5 KW / 3 KW / 5 KW



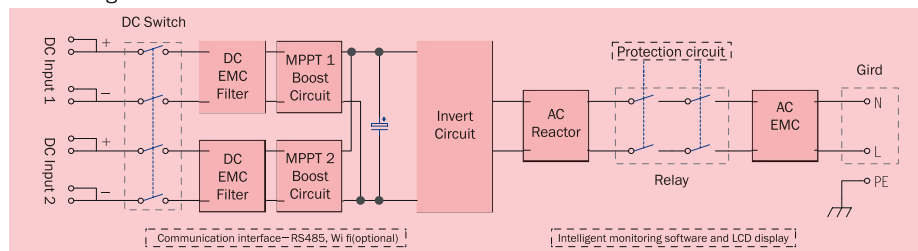
SALIENT FEATURES

- Max PV Voltage up to 600V
- Single/Dual MPPT
- High efficiency up to 97.5%
- Smaller and Lighter
- Compact Design
- IP65 Protection
- Easy to Install

Circuit diagram - SM



Circuit diagram - DM



- Servo Controlled Voltage Stabilizer (SCVS)
- Static Voltage Stabilizer (SVS)
- Uninterrupted Power Supply (UPS)
- Lift UPS / Inverter
- Energy Saver Unit
- Isolation / Ultra Isolation Transformer

- K-Rated K1/4/7/13/20 Transformer
- Solar Power Pack System
- Solar PCU / Solar MPPT Controller
- Solar Water Pump Controller
- Solar Street/Home Lighting System



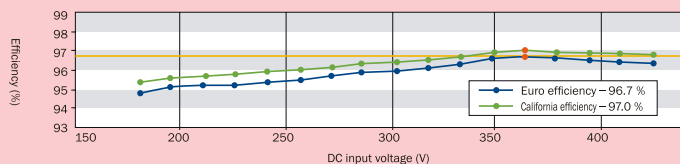
SINGLE PHASE GRID INVERTER

ASP-GT Series - Technical Specifications

Model	ASP-GT-1.5K-SM		ASP-GT-3K-SM	ASP-GT-5.0K-DM
Input (DC)				
Max. DC power	1800W		3300W	5500W
Max. DC voltage	500Vdc			600Vdc
MPPT voltage range	150~450Vdc			150~500Vdc
Normal DC voltage	360Vdc			
Min. / start DC voltage	120 / 150Vdc			
Number of MPP trackers	1			2
Strings per MPP tracker	1			1
Max. DC power per MPP tracker	1800W		3300W	3000W
Max. input current per MPP tracker	11A		20A	15A / 15A
Output (AC)				
Normal AC output Power	1500W		3000W	5000W
Max. AC output Power	1650W		3100W	5100W
Normal AC voltage	230Vac			
AC voltage range	230Vac±20%			
Normal AC grid frequency	50 / 60Hz			
AC grid frequency range	±5Hz			
Rated. output current	6.8A		13.7A	22.7A
Max. output current	9A		15A	24A
Phase shift (cos φ)	1			Lagging0.9 – leading 0.9
THDI	<3%			
AC connection	LN+PE			
Topology	Transformerless			
Efficiency				
Max. efficiency	96.00%		97.50%	
Euro-eta	95.00%		96.50%	
MPPT efficiency	99.90%			
Consumption: standby / night	<5W / <0W			
Protection devices				
PV input insulation protection	Yes			
AC short-circuit protection	Yes			
Ground fault monitoring	Yes			
Mechanism Data				
Dimensions (W / L / D) in mm	316 / 475 / 155			396 / 520 / 180
Weight	12Kg		13Kg	21Kg
Environment Data				
Operating temperature range	20°C~ +60°C			
Noise emission (typical)	≤ 25dB			
Cooling concept	Convection			
Protection rating	IP65			
Features				
LCD display	Yes			
Interfaces	RS485/WIFI			

Specifications subject to change without prior notice.

Efficiency curve



Power Back-Up Solutions

TRUE ONLINE UPS

INVERTER

HOME UPS

LIFT UPS

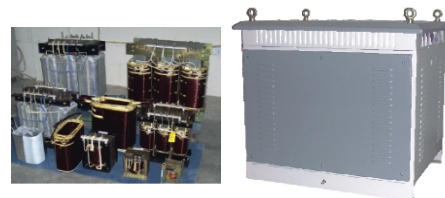


Power Conditioning Solutions

Servo Controlled Voltage Stabilizer
Static Voltage Stabilizer



Isolation & K-Rated Transformer



Renewable Energy Solutions

Solar Power Pack System
Solar PCU / Inverter / MPPT Controller
Solar Water Pump Controller
Solar Street/Home Lighting System



Power Saver Systems



We pursue a policy of continuous development & product improvement. Specifications & front panel controls, may subject to change, without notice.

Help Line Number

For more product information please contact us:

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