

AMI T Series



GRID TIE INVERTER

Ratings :
AMI T130-3kW, AMI T150-5kW (Single Phase) &
AMI T310-10kW (Three Phase)



Big LCD Display



Power Export Limit



Compact & Easy to Install



Wifi / GPRS / Lan
Communication Optional



Simpler



Safer



Great reliability

Technical Parameters

Model No	AMI T130 (3kW)	AMI T150 (5kW)
DC Side / Input Parameters		
Max DC power (W)	4500W	7500W
Max DC voltage (Vdc)	550	550
Min System start/Shut down voltage (Vdc)	75/100	75/100
MPPT voltage range(Vdc)	100~500	100~500
Max. input current (A)	18A	22A
Max.input short circuit per MPPT	25A	30A
Number of MPP trackers	1	
Strings per MPP tracker	1	
AC Side / Output Parameters		
Nominal output power (W)	3000	5000
Maximum output power (W)	3300	5500
Nominal output voltage/range (V)	208,220,230,240/180~270	
AC grid frequency/range (Hz)	50Hz,60Hz(auto-selection) / 44Hz-55Hz; 54Hz-65Hz	
Maximum output current (A)	16	23
AC connection (with PE)	Single phase	
Harmonics	<1.5%	<2.5%
Power factor	~1%(Adjustable from 0.8 leading to 0.8 lagging)	
Efficiency		
Overload		150%
Maximum conversion	97.5%	97.5%
European efficiency	97.2%	97.2%
MPPT efficiency	99.9%	99.9%
Safety and Protection		
DC reverse-polarity protection	yes	
Anti-islanding / Overvoltage protection	yes	
Short circuit protection	yes	
Leakage current protection	yes	
Grid monitoring / Ground fault monitoring	yes	
DC/AC side SPD(thermally protected)	yes	
General Parameters		
Dimension (L/W/H)mm	300/294/104	370/318.5/105.5
Weight (kg)	5	7
Embedded DC Switch	Optional	
Night power consumption (W)	< 0.2	
Isolation type	Transformerless	
Protection degree	IP65 according to IEC60529	
Operation temperature (C)	-25 ~ +60	
Cooling concept	Smart Cooling	
Operating Altitude (m)	<2000m without power derating	
Acoustic noise level (dB)	< 25	
Display	Graphic LCD	
Communication Interface	Standard WIFI; RS485 (optional)	
Certificates and Approvals		
BIS	IS 16221 (Part 2)/IEC 62109-2	

Technical Parameters

Model	AMI T310 (10kW)
Input (DC)	
Max DC power (W)	15000W
Max DC voltage (Vdc)	1000Vd.c.
Min System start/Shut down voltage (Vdc)	125V/150V
MPPT voltage range (Vdc)	160...850Vd.c.
Max input current / per string (A)	18A/18A
Max input short circuit per MPPT	25A/25A
Number of MPP trackers	2
Strings per MPP tracker	1
Output (AC)	
AC nominal power (W)	10000
Max AC apparent power (VA)	11000
Max output current (A)	17
Nominal AC output	50/60 Hz; 400 Vac
AC output range	45/55 Hz ; 280 ~ 490 Vac (Adj)
AC connection (with PE)	Three phase
Harmonics	< 5%
Power factor	~1%(Adjustable from 0.8 leading to 0.8 lagging)
Efficiency	
Overload	150%
Max efficiency	98.4%
Euro efficiency	97.9%
MPPT efficiency	99.9%
Safety and Protection	
DC reverse-polarity protection	yes
DC breaker	yes
DC/AC SPD	yes
Leakage current protection	yes
Insulation Impedance Detection	yes
Residual Current protection	yes
General Parameters	
Dimension (W/H/D)(mm)	480*476*157
Weight (kg)	16
Operating temperature range °C	-25 ~ +60
Degree of protection	IP65
Cooling concept	Smart Cooling
Topology	Transformerless
Acoustic noise level (dB)	< 45
Display	LCD
Humidity	0-95%, no condensation
Communication	RS485/WiFi/GPRS
Certificates and Approvals	
BIS	IS 16221 (Part 2)/IEC 62109-2

