



GRID TIE INVERTER



Harness the **power of the sun** and never look back with our **solar inverters**



Max. Efficiency
98.5%



Low startup
DC voltage



Max. DC
overloading 30%



wide AC
voltage range



Type-II SPD Enabled
AC and DC Side



Eastman Solar App
for Remote
Monitoring 24x7



Built in zero
export function



IP 65
Enclosure

GRID TIE INVERTER - SINGLE PHASE

Model	EGT-3K-1P1M	EGT-5K-1P2M
Input (DC)		
Max. DC Input Power (kW)	3.9	6.5
Max. DC Input Voltage (V)	550	
Start-up DC Input Voltage (V)	80	
MPPT Operating Range (V)	70~500	
Max. DC Input Current (A)	13	13+13
Max. Short Circuit Current (A)	19.5	19.5+19.5
No.of MPP Trackers	1	2
No.of Strings per MPP Tracker	1	
Output (AC)		
Rated Output Power (kW)	3	5
Max. Active Power (kW)	3.3	5.5
Nominal Output Voltage / Range (V)	L/N/PE 220/230V (Optional)	
Rated Grid Frequency (Hz)	50 / 60 (Optional)	
Operating Phase	Single phase	
Rated AC Grid Output Current (A)	13	21.7
Max. AC Output Current (A)	14.3	23.9
Output Power Factor	0.8 leading to 0.8 lagging	
Grid Current THD	<3% (At rated power)	
DC Injection Current (mA)	<0.5%	
Grid Frequency Range	50/60Hz (±5)	
Efficiency		
Max. Efficiency	97.5%	
Euro Efficiency	97.3%	
MPPT Efficiency	>99%	
Protection		
DC Reverse-Polarity Protection	Integrated	
AC Short Circuit Protection	Integrated	
AC Output Overcurrent Protection	Integrated	
Output Overvoltage Protection	Integrated	
Insulation Resistance Protection	Integrated	
Ground Fault Monitoring	Integrated	
Anti-islanding Protection	Integrated	
Temperature Protection	Integrated	
Integrated DC Switch	Optional	Integrated
Remote software upload	Yes	
Remote change of operating parameters	Yes	
Surge protection	DC Type II / AC Type II	
General Data		
Size (mm)	280W×272.5H×184D	330W×323H×190D
Weight (kg)	4.8	7.5
Topology	Transformerless	
Internal Consumption	<1W (Night)	
Running Temperature	-25~65°C, >45°C derating	
Ingress Protection	IP65	
Noise Emission (Typical)	≤ 35 dB	<35 dB
Cooling Concept	Natural cooling	
Max. Operating Altitude Without Derating	2000m	
Warranty	10 Years, 1 year on Accessories (Logger, ZED)	
Grid Connection Standard	IEC61727/62116, AS4777.2, CEI 0 21, C10-11, UNE217002, VDE4105, VDE0126, EN50549-1, G98, G99, NBR16149/NBR16150	
Operating Surroundings Humidity	0-100%	
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	
Features		
DC Connection	MC-4 mateable	
AC Connection	IP65 rated plug	
Display	LCD1602	
Interface	RS485/RS232/Wifi/LAN	

*All specifications are subject to change without notice

GRID TIE INVERTER - THREE PHASE

Model	EGT-5K-3P2M	EGT-10K-3P2M	EGT-15K-3P2M
Input (DC)			
Max. DC Input Power (kW)	6.5	13	19.5
Max. DC Input Voltage (V)	1000		1000
Start-up DC Input Voltage (V)	140		250
MPPT Operating Range (V)	120~850		200~850
Max. DC Input Current (A)	13+13		13+26
Max. Short Circuit Current (A)	19.5+19.5		19.5+39
No.of MPP Trackers	2		2
No.of Strings per MPP Tracker	1		1+2
Output (AC)			
Rated Output Power (kW)	5	10	15
Max. Active Power (kW)	5.5	11	16.5
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V		
Rated Grid Frequency (Hz)	50/60 (Optional)		
Operating Phase	Three phase		
Rated AC Grid Output Current (A)	7.6 / 7.2	15.2 / 14.5	22.7/21.7
Max. AC Output Current (A)	8.3 / 8	16.7 / 15.9	25/23.9
Output Power Factor	0.8 leading to 0.8 lagging		
Grid Current THD	<3% (At rated power)		
DC Injection Current (mA)	<0.5%		
Grid Frequency Range	50/60Hz (±5)		
Efficiency			
Max. Efficiency	98.3%		98.5%
Euro Efficiency	97.5%		
MPPT Efficiency	>99%		
Protection			
DC Reverse-Polarity Protection	Integrated		
AC Short Circuit Protection	Integrated		
AC Output Overcurrent Protection	Integrated		
Output Overvoltage Protection	Integrated		
Insulation Resistance Protection	Integrated		
Ground Fault Monitoring	Integrated		
Anti-islanding Protection	Integrated		
Temperature Protection	Integrated		
Integrated DC Switch	Integrated		
Remote software upload	Integrated		
Remote change of operating parameters	Integrated		
Surge protection	DC Type II / AC Type II		
General Data			
Size (mm)	330W×457H×185D		333W×472H×202D
Weight (kg)	10		15
Topology	Transformerless		
Internal Consumption	<1W (Night)		
Running Temperature	-25~65°C, >45°C derating		
Ingress Protection	IP65		
Noise Emission (Typical)	≤ 35 dB		<40 dB
Cooling Concept	Natural cooling		Smart cooling
Max. Operating Altitude Without Derating	2000m		
Warranty	10 Years, 1 year on Accessories (Logger, ZED)		
Grid Connection Standard	IEC61727/62116, VDE4105, UNE217002, NBR16149/NBR16150, VDE0126, AS4777.2, CEI 0 21,EN50549-1, G98, G99, C10-11		IEC 62116, IEC 61727, CEI 0-21, VDE 0126-1-1, RD 1699, C10-11, VDE-AR-N 4105, NRS 097, G99, G98
Operating Surroundings Humidity	0-100%		
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2		
Features			
DC Connection	MC-4 mateable		
AC Connection	IP65 rated plug		
Display	LCD1602		
Interface	RS485/RS232/Wifi/LAN		

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About Us

JRS Eastman Trust, founded in the year 1970, started off its journey towards becoming a global conglomerate with a brake shoe manufacturing business, first setup in Ludhiana, in the state of Punjab. Our Chairman, Mr. J.R. Singal, with his visionary approach was quick to notice the rapid industrialization happening in India, post independence. This visionary approach is still evident today with the footprints of the company expanding into Power Solutions, Renewable Energy, Industrial Manufacturing as well as overseas operations. This rapid expansion has been aggressively fueled by our innovation-led customer centric approach, leading to development of class leading products that touch millions of lives in India and Abroad, everyday.

Manufacturing Infrastructure



- **6** Factories
- **4,50,000 Sq Feet** Area Covered
- **3** R&D Centers
- **1200+ No of employees** at our manufacturing plant
- **15+ Captive manufacturing plants** run by partners serving our 6 factories



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