



The **WISE** Choice

EASTMAN WORLD

Welcome to Eastman World - Your Global Partner in Energy Solutions!



GRID TIE INVERTERS

Single Phase | Three Phase

MADE IN INDIA

Eastman Introduction

Eastman Auto & Power Limited is an Indian manufacturer of solar energy solutions, energy storage systems, and power electronics. Backed by a legacy of innovation and trust built over decades, the company was founded under the visionary leadership of Mr. Jagdish Rai Singal to shape the future of sustainable energy. With a strong global presence, Eastman products are distributed across more than 50 countries spanning Asia, the Middle East, Europe, Africa, the Caribbean, and the Americas.

The company offers a comprehensive portfolio including Lithium Batteries, Inverters, Lead Acid Batteries, and a range of advanced power electronics. Eastman serves diverse energy needs across residential, commercial, and industrial sectors-delivering reliable, efficient, and smart power solutions for a rapidly evolving world.



SOLAR PV INVERTER (ON-GRID) SINGLE PHASE 3KW to 5KW (Residential & Industrial System)

Eastman On-Grid PV Inverters feature anodized aluminum unibody housings for enhanced durability and heat dissipation. Designed for reliable residential and industrial PV systems, they offer efficient performance with external inductors for improved cooling. Sensor touch controls and Wi-Fi / Ethernet / GPRS connectivity allow easy system monitoring via online portal or app.



Max. Efficiency
upto 98.20%



Low startup
DC voltage



Max. DC
overloading
upto 40%



Wide AC
voltage range



Surge Protection
Integrated (Type III)



Eastman One Solar
App for Remote
Monitoring 24x7



Zero export to
grid (optional)



IP 65
Enclosure



Product Specifications

Model	ES3KWS-GT-1P	ES5KWS-GT-1P
PV Input Data		
Max. DC Power (W)	4200	7000
Max. DC Voltage (V)	500Vdc	600Vdc
MPPT Voltage Range (V)	50-500	70-550
MPPT Full Power Voltage Range (V)	220-500	180-550
Rated Input Voltage (V)	360	360
Start-up Voltage (V)	50	70
Max. Input Current (A)	18Adc	18Adc x 2
Max. Short Current (A)	20Adc	20Adc x 2
No. of String/MPPT	1/1	2/2
Input Connector Type	MC4	MC4
AC Output Data		
Max. Output Power (VA)	3300	5500
Nominal Output Power (W)	3000	5000
Max. Output Current (A)	15Aac	24Aac
Nominal Output Voltage (V)	220Vac	
Grid Voltage Range	180VAC-276VAC(According to local standard)	
Nominal Output Frequency (Hz)	50/60Hz	
Grid Frequency Range	45-55Hz/54-64Hz (According to local standard)	
Output Power Factor	1 default (adjustable from 0.8 leading to 0.8 lagging)	
Output Current THD	<3%	
Efficiency		
Max. Efficiency	98.13%	98.20%
Euro Efficiency	97.56%	97.90%
Protection		
DC Polarity Reverse Connection Protection	YES	
AC Output Overcurrent Protection	YES	
AC Short Circuit Protection	YES	
AC Output Overvoltage Protection	YES	
AC Over Voltage Protection	YES	
AC Output Short Circuit Protection	YES	
Thermal Protection	YES	
DC Terminal Insulation Impedance Monitoring	YES	
DC component monitoring	YES	
Ground fault current monitoring	YES	
Arc fault circuit interrupter (AFCI)	Optional	
Power Network Monitoring	YES	
Island protection monitoring	YES	
Earth Fault Detection	YES	
DC Input Switch	YES	
Overvoltage Load Drop Protection	YES	
Residual Current (RCD) Detection	YES	
Zero-export function	Optional	
Surge Protection Level	Integrated (Type III)	
Communication Interface	RS485	
Monitor Mode	4G/WIFI/GPRS (optional)	
Display	LCD+LED	
General Data		
Dimensions (W x H x D), (mm)	280x260x116	358 x 360 x 142
Weight (kg)	6	10
Enclosure Material	Sheet Metal	
Protection on Degree	IP65	
Ambient Temperature Range (°C)	-25°C to 60°C	
Humidity Range	0-100%	
Topology	Transformer less	
Communication interface	RS485 / WiFi / Wire Ethernet / GPRS (optional)	
Cooling Concept	Convection	
Night Power Consumption (W)	<1	
Max. Operation Altitude (m)	4000	
Noise Emission (db)	≤21dB	≤28dB

SOLAR PV INVERTER (ON-GRID) THREE PHASE 5KW to 15KW (Residential & Industrial System)

Eastman On-Grid PV Inverters feature anodized aluminum unibody housings for enhanced durability and heat dissipation. Designed for reliable residential and industrial PV systems, they offer efficient performance with external inductors for improved cooling. Sensor touch controls and Wi-Fi / Ethernet / GPRS connectivity allow easy system monitoring via online portal or app.



Max. Efficiency
upto 98.7%



Low startup
DC voltage



Max. DC
overloading
upto 50%



Wide AC
voltage range



Surge Protection
Integrated (Type III)



Eastman One Solar
App for Remote
Monitoring 24x7



Zero export to
grid (optional)



IP 65
Enclosure



Product Specifications

Model	ES5KWT-GT-3P	ES10KWT-GT-3P	ES15KWT-GT
PV Input Data			
Max. DC Power (W)	7500	15000	22500
Max. DC Voltage (V)	1100	1100	1100
MPPT Voltage Range (V)	150-1000Vdc	150-1000Vdc	150-1000Vdc
MPPT Full Power Voltage Range (V)	200-850	500-850	500-850
Rated Input Voltage (V)	620	620	620
Start-up Voltage (V)	150	150	150
Max. Input Current (A)	2 x 18Adc	2 x 18Adc	20+32Adc
Max. Short Current (A)	2 x 20Adc	2 x 20Adc	30+48Adc
No. of String/MPPT	2/2	2/2	3/2
Input Connector Type	MC4	MC4	MC4
AC Output Data			
Max. Output Power (VA)	5500	11000	16500
Nominal Output Power (W)	5000	10000	15000
Max. Output Current (A)	8.5A/Ph	17A/Ph	27A/Ph
Nominal Output Voltage (V)	380Vac/L-L		
Grid Voltage Range	260Vac-519Vac (According to local standard)		
Nominal Output Frequency (Hz)	50/60Hz		
Grid Frequency Range	45-55Hz/55-65Hz(according to local standard)		
Output Power Factor	1 default (adjustable from 0.8 leading to 0.8 lagging)		
Output Current THD	<3%		
Efficiency			
Max. Efficiency	98.30%	98.70%	98.70%
Euro Efficiency	98.00%	98.23%	98.23%
Protection			
PV Reverse Polarity Protection	YES		
PV Insulation Resistance Detection	YES		
AC Short Circuit Protection	YES		
AC Over Current Protection	YES		
AC Over Voltage Protection	YES		
Anti -Islanding Protection	YES		
Residual Current Detection	YES		
Over Temperature Protection	YES		
Integrated DC switch	YES		
Zero-export function	Optional		
Surge Protection	Integrated (Type II)		
Smart IV Curve Scanning	YES		
Quick Arc Fault Circuit Interruption	Optional		
General Data			
Dimensions (W x H x D), (mm)	370x510x167	370x510x192	
Protection on Degree	IP65		
Enclosure Material	Sheet Metal		
Ambient Temperature Range (°C)	-25°C to 60°C		
Humidity Range	0-100%		
Topology	Transformer less		
Communication interface	RS485 / WiFi / Wire Ethernet / GPRS (optional)		
Cooling Concept	Convection	Intelligent Fan Cooling	
Night Power Consumption (W)	<1		
Max. Operation Altitude (m)	≤4000		



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