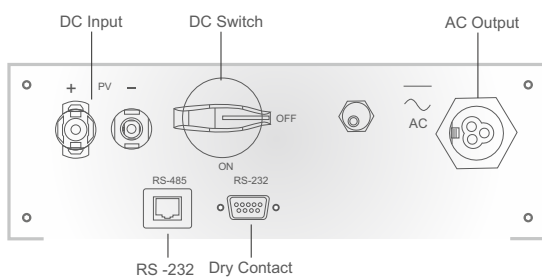


GRID TIE PV INVERTER 1-3KW

SOLAR AND GRID CONNECTION



Eastman's 1kW - 3kW single phase Grid Tie PV Inverters are technologically advanced solar devices for residential homes and commercial establishments. The Grid tie series are compact, light weight and energy efficient. It makes the series convenient for long distant transportation and suitable for indoor and outdoor installation. Grid tie series promises a return of investment within 3-4 years making them the most sort after premium on-grid inverters available today.

FEATURES

Advanced MPPT 99.9%
Tracking Efficiency

Quick And Easy Installation

Wide Operating MPPT
Voltage Range

Generator Compatible

IP65 Protection

Maximum DC Power Of 1300W

Remote Monitoring Compatibility

User Friendly LCD Display

Model - ESG1K Technical Specification

DC-Input Parameters	Value	Unit
Max. Input PV Power	1300	Wp
Max. Input Voltage	500	Volt DC
MPPT Operating Voltage Range	100 - 490	Volt DC
Rated Input Voltage	380	Volt DC
Max. Input Current per MPPT tracker	11	-
MPPT Channel	1	-
Number of Input	1	-

AC-Output Parameters	Value	Unit
Max. Output Power	1000	Watt
Rated Output Power	1000	Watt
Mains Output Voltage Range	150 - 280	Volt AC
Rated Output Voltage	220/230	Volt AC
Rated Output Current	4.5	Ampere
Mains Output Frequency Range	45 - 55	Hertz
Power Factor	>0.99	-
Current Harmonic Distortion (THDi)	<3%	-
Max. Efficiency	97.0%	-
MPPT Tracking Efficiency %	99.9%	-

Environment	Value	Unit
Protection Level	IP65	-
Working Temperature Range	-25°C ~ +60°C	Celcius
Humidity	0~95%, no condensation	-
Altitude	2000	Metre
Ventilation	Natural Cooling	-
Noise (Typical)	<25	dB

Communication	Value
LCD	Solar Power, Total Energy Generation, AC Voltage, AC Current, Solar Voltage, Solar Current, Frequency, Temperature
Communication Interface	RS232 & RS485

Mechanical Parameters	Value	Unit
Dimensions (L x W x H)	265 x 126 x 325	Millimeters
Weight	7.6	Kilograms

Model - ESG3K Technical Specification

DC-Input Parameters	Value	Unit
Max. Input PV Power	3900	Wp
Max. Input Voltage	500	Volt DC
MPPT Operating Voltage Range	100 - 490	Volt DC
Rated Input Voltage	380	Volt DC
Max. Input Current per MPPT tracker	13	-
MPPT Channel	1	-
Number of Input	1	-

AC-Output Parameters	Value	Unit
Max. Output Power	3000	Watt
Rated Output Power	3000	Watt
Mains Output Voltage Range	150 - 280	Volt AC
Rated Output Voltage	220/230	Volt AC
Rated Output Current	14	Ampere
Mains Output Frequency Range	45 - 55	Hertz
Power Factor	>0.99	-
Current Harmonic Distortion (THDi)	<3%	-
Max. Efficiency	97.6%	-
MPPT Tracking Efficiency %	99.9%	-

Environment	Value	Unit
Protection Level	IP65	-
Working Temperature Range	-25°C ~ +60°C	Celcius
Humidity	0~95%, no condensation	-
Altitude	2000	Metre
Ventilation	Natural Cooling	-
Noise (Typical)	<25	dB

Communication	Value
LCD	Solar Power, Total Energy Generation, AC Voltage, AC Current, Solar Voltage, Solar Current, Frequency, Temperature
Communication Interface	RS232 & RS485

Mechanical Parameters	Value	Unit
Dimensions (L x W x H)	265 x 126 x 325	Millimeters
Weight	8.6	Kilograms