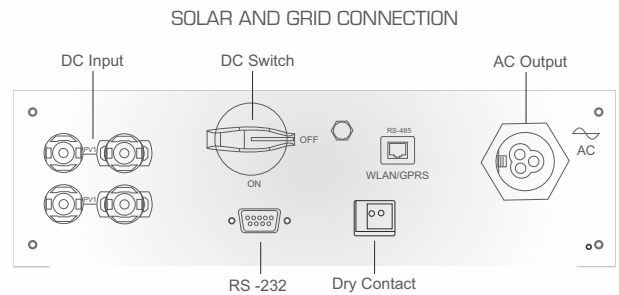


GRID TIE PV INVERTER 5KW



Eastman's 5kVA single phase Grid Tie PV Inverters are advanced solar devices suitable for all residential and industrial applications. All components are designed under the latest applied scientific automation with maximum conversion efficiency 97.5%. The series comply to IP65 standards with dual compatibility that makes the series suitable for indoor as well as outdoor installation. The advanced MPPT algorithm with peak efficiency of 99.9% guarantees maximum power generation intergrated with IEC standards of safety.

FEATURES

Advanced MPPT 99.9%
Tracking Efficiency

Quick And Easy Installation

Wide Operating MPPT
Voltage Range

Generator Compatible

IP65 Protection

Maximum DC Power Of 6500W

Remote Monitoring Compatibility

User Friendly LCD Display

Model - ESG5K Technical Specification

DC-Input Parameters	Value	Unit
Max. Input PV Power	6500	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	2	-
Number of Input	2	-

AC-Output Parameters	Value	Unit
Max. Output Power	5000	Watt
Rated Output Power	5000	Watt
Mains Output Voltage Range	150 - 280	Volt AC
Rated Output Voltage	220/230	Volt AC
Rated Output Current	22	Ampere
Mains Output Frequency Range	45 - 55	Hertz
Power Factor	>0.99	-
Current Harmonic Distortion (THDi)	<3%	-
Max. Efficiency	97.5%	-
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)	329 x 149 x 466	Millimeters
Weight	15.7	Kilograms