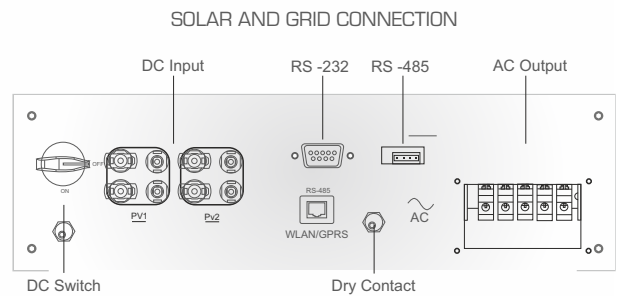
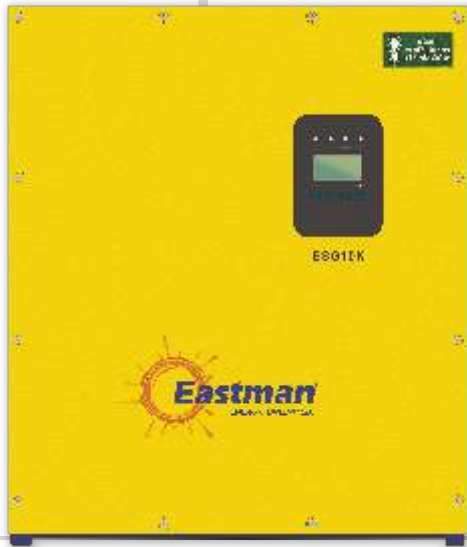
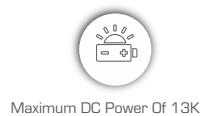
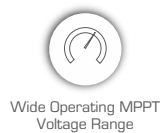


GRID TIE PV INVERTER 10KW



Eastman's 10kVA three phase Grid Tie PV Inverters with dual MPPT technology are suitable for all industrial rooftop and commercial applications. This solar PV solution comes with an intelligent cooling system that provides excellent heat dissipation and silent operation. They carry the ability to withstand extreme weather conditions with low maintenance as compared to diesel generators. The advanced MPPT algorithm with peak efficiency of 99.9% and wide MPPT voltage range from 250 to 950Vdc guarantees maximum power generation integrated with IEC standards of safety.

FEATURES



Model - ESG10K Technical Specification

DC-Input Parameters	Value	Unit
Max. Input PV Power	13000	Wp
Max. Input Voltage	1000	Volt DC
MPPT Operating Voltage Range	480 - 800	Volt DC
Rated Input Voltage	620	Volt DC
Max. Input Current per MPPT tracker	13	-
MPPT Channel	2	-
Number of Input	2	-

AC-Output Parameters	Value	Unit
Max. Output Power	10000	Watt
Rated Output Power	10000	Watt
Mains Output Voltage Range	320 - 480	Volt AC
Rated Output Voltage	400/415	Volt AC
Rated Output Current	15	Ampere
Mains Output Frequency Range	45 - 55	Hertz
Power Factor	0.8 Lead/Lag	-
Current Harmonic Distortion (THDi)	<3%	-
Max. Efficiency	98.0%	-
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)	<40	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)	553 x 228 x 715	Millimeters
Weight	35.4	Kilograms