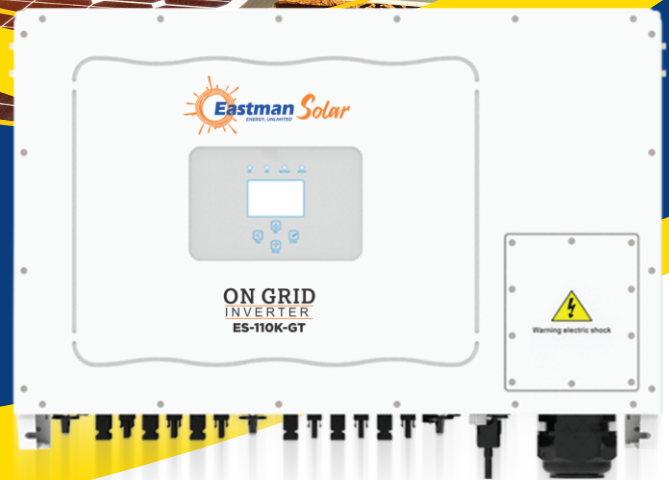


ON GRID INVERTER

ES-110K-GT



 3 Phase

 Max PV Array 150000 W

 MPPT Range 200~850 VDC

 No. of MPPT

6

 Export Function

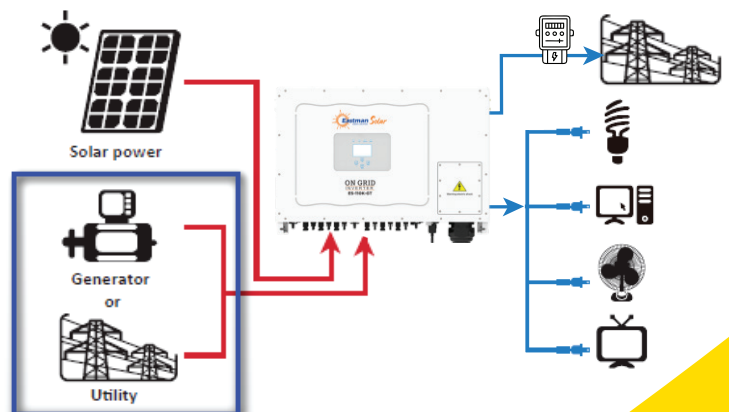
Optional

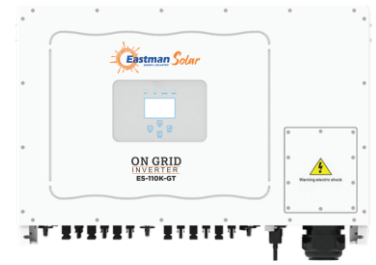
 Mobile Monitoring

Yes

Special Features :

- Max. 6 MPPT trackers, Max. efficiency up to 98.8%
- Zero export application, VSG application
- String intelligent monitoring (Optional)
- Protection level IP65
- Wide output voltage range
- Anti-PID function (Optional)
- Type II DC/AC SPD





ON-GRID SOLAR INVERTER

| Model | ES-110K-GT |
|--|---|
| INPUT SIDE | |
| Max. DC Input Power (kW) | 150 |
| Max. DC Input Voltage (V) | 1000 |
| Start-up DC Input Voltage (V) | 250 |
| MPPT Operating Range (V) | 200-850 |
| Max. DC Input Current (A) | 40+40+40+40+40+40 |
| Max. Short Circuit Current (A) | 60+60+60+60+60+60 |
| No.of MPP Trackers | 6 |
| No.of Strings per MPP Tracker | 4 |
| OUTPUT SIDE | |
| Rated Output Power (kW) | 110 |
| Max. Active Power (kW) | 121 |
| 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) | 166.7/159.4 |
| Max. AC Output Current (A) | 183.3/175.4 |
| Output Power Factor | 0.8 leading to 0.8 lagging |
| Grid Current THD | <3% |
| DC Injection Current (mA) | <0.5% |
| Grid Frequency Range | 47-52 or 57-62 (Optional) |
| EFFICIENCY | |
| Max. Efficiency | 98.8% |
| Euro Efficiency | 98.3% |
| MPPT Efficiency | >99% |
| PROTECTION | |
| DC Reverse-Polarity Protection | Yes |
| AC Short Circuit Protection | Yes |
| AC Output Overcurrent Protection | Yes |
| Output Overvoltage Protection | Yes |
| Insulation Resistance Protection | Yes |
| Ground Fault Monitoring | Yes |
| Anti-islanding Protection | Yes |
| Temperature Protection | Yes |
| Integrated DC Switch | Yes |
| Remote software upload | Yes |
| Remote change of operating parameters | Yes |
| Surge protection | DC Type II / AC Type II |
| GENERAL DATA | |
| Size (mm) | 838W x 568H x 324D |
| Weight (kg) | 81 |
| Topology | Transformerless |
| Internal Consumption | <1W (Night) |
| Running Temperature | -25-65°C >45°C derating |
| Ingress Protection | IP65 |
| Noise Emission (Typical) | <55 dB |
| Cooling Concept | Smart cooling |
| Max. Operating Altitude Without Derating | 2000m |
| Grid Connection Standard | CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11 |
| 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 | LCD 240x160 |
| Interface | RS485/RS232/Wifi/LAN |