



STRING INVERTER FOR PV PLANTS

#Energy



HIGH POWER DENSITY (12 MPPT)
DESIGN FLEXIBILITY
EASY INSTALLATION
STRING MONITORING
IP65 PROTECTION



aselsan



250 KVA STRING INVERTER FOR PV PLANTS

ASELSAN's 250 kVA string inverter is designed with a creative engineering perspective to serve wide capacity range of photovoltaic plants.

Having features of 12 MPPT, 800 VAC output voltage and 1500 VDC input voltage, 250 kVA string inverter enables energy harvest at high efficiency, availability and sustainability.

General Features

- National Design & Local Manufacturing
- Easy Operation & Maintenance
- Reactive Power Control / Grid Support
- Operating under Weak Solar Radiation
- Operating Full Power under Strong Solar Radiation

Customer Acquisitions

- Benefit from Local Incentives
- Centralized Inverter Monitoring & Control
- After Sales Services with Broad Service Network

General Data

- Max. Dimensions (W*H*D) : 1200 * 730 * 390 mm
- Weight : 143 kg
- Isolation Method : Transformerless
- Ingress Protection Rating : IP65
- Operating Ambient Temp. Range : -25 - 60°C
- Rel. Hum. Range (Non-Cond.) : 5 – 95 %
- Cooling Type : Smart forced air cooling
- Display : LED
- Communication : MODBUS, USB, RS485, PLC (opt.) / WLAN
- Compliance : IEC 62109-1, IEC 62109-2, EN 61000-3-4, EN 61000-6-2, EN 61000-6-3, IEC 61727, IEC 62116, IEC 60068, IEC/EN 60529 IP, EN 50530, IEC 61683

Data Specifications

- Inverter Type : String

Input (DC)

- Max. PV Input Voltage : 1500 V
- Max. PV Input Current per MPPT : 26 A
- Nominal PV Input Voltage : 1100 V
- MPP Voltage Range : 600 V – 1500 V
- Number of Indep. MPP Inputs : 12
- Max. Num. of Input Conn. per MPPT : 2

Output (AC)

- Max. AC Output Power : 250 kVA @ 30°C
- Nominal AC Voltage : 3 / PE, 800 V
- AC Voltage Range : 680 – 880V
- Max. Output Current : 180.5 A
- Nominal Grid Freq. / Grid Freq. Range : 50 Hz - 60 Hz
- THD : < 3 %
- Power Factor at Nominal Power : > 0.99
- Adjustable Power Factor : 0.8 leading / 0.8 lagging

Efficiency

- Max. efficiency : 98.23 %
- Max. Euro efficiency : 97.81 %

Protection

- DC Reverse Connection Protection : Yes
- AC Short Circuit Protection : Yes
- Residual Current Protection : Yes
- Over Voltage/Freq./Temp. Protection : Yes
- Grid Fault Protection : Yes
- DC Switch : Yes (4 pieces)
- Anti-Islanding Protection : Yes
- Anti-PID Protection : Yes
- LVRT : Yes



Specifications are subject to change without any notice. | All tolerances are within $\pm 10\%$.