

350KW enPrimo

Model No - ENP-GU350K-G2

Multi-MPPT String Inverter for 1500 Vdc System



High Yield

- Up to 6 MPPTs with max. efficiency 99.05%
- 75 A per MPPT, compatible with 182&210mm modules
- 30 inputs, > 180% DC/AC ratio

Low Cost

- Q at night function, saving investment
- Support PLC communication, saving communication cables and construction cost
- PV string monitoring

Safety and Reliability

- Integrated DC smart switch, protecting the DC side
- DC terminal temperature protection
- MPPT Level PV Insulation Detection

Smart & Grid-Friendly

- SCR \geq 1.1 operation at full power
- IV curve diagnostic
- Intelligent Fan Dust Removal

Model

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Input (DC)

Max. PV input voltage	1500 V
Min. PV input voltage / Startup input voltage	500 V / 550 V
Nominal PV input voltage	1180 V
MPP voltage range	500 V – 1500 V
No. of independent MPP inputs	6
Max. number of input connector per MPPT	5
Max. PV input current	6 * 75 A
Max. DC short-circuit current per MPPT	125 A

Output (AC)

Nominal AC output Power	352 kW @ 30 °C / 320 kW @ 40 °C / 310 kW @ 50 °C
Max. AC output Power	352 KW
Max. AC output Apparent Power	352 KVA
Max. AC output current	254.1 A
Nominal AC voltage	3 / PE, 800 V
Nominal AC grid frequency	50 Hz / 60 Hz
Harmonic (THD)	< 1 % (at nominal power)
DC current injection	< 0.5 % In
Power factor	~1 / (0.8 leading – 0.8 lagging)

Efficiency

Max. efficiency / European efficiency	99.05 % / 98.80 %
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Protection

PV String Current Monitoring	Integrated
PV Insulation Detection	Integrated
Residual Current Monitoring Unit	Integrated
DC Reserve Connection Protection	Integrated
Anti-island Protection	Integrated
AC Short Circuit Protection	Integrated
DC Switch	Integrated
DC Surge Protection	Type II
AC Surge Protection	Type II
Reactive Power Compensation at Night	Integrated
AFCI	Optional
Anti-PID & PID recovery	Optional

General Data

Dimensions (WHD)	1147*800*362 mm
Weight	≤ 120 kg
Isolation method	Non-Isolated
Ingress protection rating	IP66
Power consumption at night	< 6 W
Operating ambient temperature range	-30 to 60 °C
Relative humidity	0 – 100 %
Cooling method	Smart Air cooling
Max. operating altitude	4000 m
Display	LED, Bluetooth +APP
Communication	RS485 / PLC (optional)
DC connection	Matching MC4 Connectors
AC connection	OT/DT Terminal (Max. 400mm2)
Compliance	IEC62109-1/-2, IEC 61727:2004, IEC 62116:2014, IEC 60068 -2-1/2/14/30, IEC 61683, IEC 61000-6-2/4:2019 and CEA 2019