

GRID-CONNECTED PV INVERTER

HINV350HX

1500V high power density PV inverter is suitable for many complex and harsh scenarios.
Advanced topology and software control ensure the high efficiency, reliability, and stability of product operation.
Innovative grid-connected algorithms and broadband PLC technology enable fast response to grid dispatching and effectively support the grid.

- 12*45A MPPT, compatible with 182&210mm module.
- SCR ≥ 0.99 stable operation in extremely weak grid.
- Power line communication (PLC).
- IP66 and C5 anti-corrosion.
- Max. Efficiency 99.02%, EU Efficiency 98.8%.
- PV string monitoring and intelligent breaking technology.

Technical Specifications

Model	HINV350HX
Input	
Max. PV Input Voltage	1500V
MPPT Voltage Range	500~1500V
Start-up Voltage	550V
Rated PV Input Voltage	1180V
Max. PV Input Current per MPPT	45A
Max. PV Short Circuit Current per MPPT	75A
Number of MPPT	12
Number of PV Input	30
AC Output	
Rated Output Power	350kW
Max. Output Power	352kW
Max. Output Apparent Power	352kVA
Rated Voltage	800V, 3L / PE
Rated Grid Frequency	50/60Hz
Max. Output Current	254.1A
Rated Output Current	231A
Power Factor	~1 (0.8 leading to 0.8 lagging)
THDi	<3% (at rated power)
Efficiency	
Max. Efficiency	99.02%
European Efficiency	98.8%
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
AC Overvoltage Protection	Integrated
DC Switch	Integrated
DC Surge Protection	Type II
AC Surge Protection	Type II
Reactive Power Compensation at Night	Integrated
Anti-PID & PID recovery	Optional
General Data	
Dimensions（W×H×D）	1078 × 867 × 360.5 mm
Weight	< 127kg
Operating Temperature	-30 to +60°C
Operating Humidity	0 - 100%RH (non-condensing)
Altitude	≤ 4000m
IP Rating	IP66
Cooling Method	Smart Air Cooling
Isolation Method	Non-isolated
AC Connection	OT/DT Terminal (Max. 400mm^2)
Display and Communication	
Display	LED、 Wi-Fi+S-Miles APP
Communication Interface	RS485、PLC

* Subject to change without notice.

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