

Add Solar Inverter

Add a new solar inverter with detailed specifications

Identification

Basic information about the solar inverter

Inverter Name *

Enter inverter name

Manufacturer *

Enter manufacturer name

Model Number *

Enter model number

Inverter Type *

Select inverter type

Phase Type *

Select phase type

Topology

Select topology

Cooling Type

Select cooling type

Country of Origin

e.g., India, China, Germany

Remarks / Notes

Enter any additional notes or remarks

DC Input Specifications

DC input parameters and MPPT configuration

Max DC Power (kWp) *

e.g., 110

Maximum DC Voltage (V)

e.g., 1500

MPPT Voltage Range (V)

e.g., 200-1500

Number of MPPTs

e.g., 4

Strings per MPPT

e.g., 2

Max Input Current per MPPT (A)

e.g., 26

Max Short Circuit Current per MPPT (A)

e.g., 40

DC Connector Type

e.g., MC4

DC Disconnect

Select option

AC Output Specifications

AC output parameters and grid connection details

Rated AC Power (kW / kVA) *

e.g., 100 kW

Rated AC Voltage (V)

e.g., 400

AC Voltage Range (V)

e.g., 340-460

Rated AC Current (A)

e.g., 145

Grid Frequency (Hz)

e.g., 50 or 60

Power Factor

e.g., 0.8 leading to 0.8 lagging

THD (%)

e.g., 3

AC Connection Type

e.g., 3P+N+PE

Efficiency

Inverter efficiency metrics

Maximum Efficiency (%)

e.g., 98.8

European / CEC Efficiency (%)

e.g., 98.5

MPPT Efficiency (%)

e.g., 99.9

Protection & Safety

Safety features and protection mechanisms

Anti-Islanding Protection

e.g., Yes / Active Frequency Shift

DC Reverse Polarity Protection

e.g., Yes

Over/Under Voltage Protection

e.g., Yes

Over/Under Frequency Protection

e.g., Yes

Surge Protection Device

e.g., Type II (DC & AC)

Insulation Monitoring

e.g., Yes

Residual Current Monitoring

e.g., Yes / 300mA

Communication & Monitoring

Communication interfaces and monitoring capabilities

Communication Interfaces

Select interface

Protocols Supported

Select protocol

Data Logger Required

Select option

Remote Firmware Upgrade

Select option

Environmental & Mechanical

Operating conditions and physical specifications

Operating Temperature Range (°C)

e.g., -25°C to +60°C

Ingress Protection (IP Rating)

e.g., IP65

Cooling Noise Level (dB)

e.g., 55

Mounting Type

e.g., Wall / Ground / Containerized

Dimensions (W x H x D mm)

e.g., 1040 x 690 x 365

Weight (kg)

e.g., 68

Altitude Rating (m)

e.g., 4000

Compliance & Warranty

Certifications and warranty information

Grid Compliance Codes

e.g., IEC, UL, IEEE 1547

Safety Certifications

e.g., CE, UL, IEC 62109

Warranty Period (Years)

e.g., 5

Extended Warranty Available

Select option

Status

Set the active status of this solar inverter

