EN

INV350-60

Micro Inverter

Description

The AEconversion micro inverter INV350-60 converts the generated energy into grid-compliant alternating current. For this purpose, the INV350-60 is directly connected to one or two PV modules. The individual conversion enables optimal utilisation of the solar energy.
The INV350-60 micro-inverter operates up to a power of 500W with a maximum PV input voltage of 60V. It is available in 50Hz and 60Hz and in communication versions: PLC and NoCom.

Input data - PV
- Recommended PV module power: 260W - 500W
- Maximum DC voltage: 60V
- Min./Max. starting voltage: 18 V / 60 V
- MPP range: 20 V ... 50 V
- Compatible for modules with a max. current of : 14 A

Output data - AC
- AC rated power: 330 W
- Rated current: 1.4 A
- Power factor: > 0.99

Efficiency
- Maximum efficiency: 93,5 %
- European efficiency: 91,8 %
- MPP efficiency: 99,8 %

Mechanical data
- Operating temperature range: -25 °C ... +70 °C
- Nightly energy consumption: 30 mW
- Max. Operating altitude above sea level: 2000 m
- DC connector: MC4 compatible
- Dimensions (WxHxD): 314 mm x 267 mm x 66.5 mm
- Weight: 2.5 kg
- Cooling: Natural convection
- Enclosure material: Aluminium
- Enclosure protection class:
IP65 (50Hz version) / NEMA 4 (60Hz version)

50Hz version
- AC rated voltage: 230 V
- AC voltage range: 184 V ... 264 V
- Rated frequency: 50.0 Hz
- Frequency range: 47.5 Hz ... 51.5 Hz
- Product safety: IEC 62103:2003, IEC 62109-1:2010, IEC 55011B, EN 50178:1997
- EMC: EN 61000-6-2, EN 61000-6-3

60Hz version
- AC rated voltage: 208 V or 240 V
- AC voltage range: 184 V ... 264 V
- Rated frequency: 60.0 Hz
- Frequency range: 59.5 Hz ... 60.3 Hz
- Product safety: UL 1741:2010, IEEE 1547:2003, CSA C22.2
- EMC: FCC Part 15 Class B

Special features
- Communication variants: Powerline / without
- ENS integrated according to VDE AR-N 4105
- Protection class: Class I
- Topology: Transformer/galvanically isolated