



GRID-TIED INVERTER AS-IC01-2 SERIES



4kW TO 10 kW GRID-TIED THREE-PHASE INVERTER, 2 MPPT

AEG AS-IC01-2 inverters belong to a new generation of PV string inverters specifically developed for residential systems.

COMPACT DESIGN AND EFFICIENCY FOR SMALL- AND MEDIUM-SIZE INSTALLATIONS

AS-IC01-2 an ideal choice for medium size installations and allow extreme planning flexibility for your solar installation.

EASY OPERABILITY AND ALL-ROUND MONITORING

AEG AS-IC01-2 features a global, integrated monitoring and management systems supporting a wide range of portable devices for easy operability

COMPREHENSIVELY CERTIFIED

AEG products and production facilities are compliant with the the latest standards to guarantee safety and reliability. Production facilities comply with ISO 9001, ISO 14001 and OHSAS 18001. AEG inverters are certified a.o. IEC 62109-1/2, EN 61000-6-2/3, VDE 0126-1-1, VDE-AR-N 4105, VDE0124, C10/11. The products are tested by independent, acknowledged institutions, among others by:



YOUR ADVANTAGE AT A GLANCE

Wide voltage range for medium scale plants
Compact size, easy operation, global monitoring
Combining RS485 + WiFi
Comprehensive certification range for the international markets
5 years Product warranty (15/20 years optional)

More on: www.aeg-industrialsolar.de



INPUT (DC)

| | 4000 | 5000 | 6000 | 8000 | 10000 |
|---|------------|---------|---------|---------|----------|
| Max. DC Input power (W) | 4200 | 5200 | 6300 | 9000 | 10000 |
| Max. DC Input Voltage (V) | 900 | 900 | 900 | 1000 | 1000 |
| Starting Voltage / Min. Operation Voltage (V) | 220/180 | 220/180 | 220/180 | 220/180 | 220/180 |
| MPPT Operating Voltage Range (V) | 200-800 | 200-800 | 200-800 | 200-800 | 200-800 |
| Number of MPPT / String per MPPT | 2/1 | 2/1 | 2/1 | 2/1 | 2/1 |
| Max. DC Current (A) per MPPT x Nr. of MPPT | 10 x 2 | 10 x 2 | 10 x 2 | 12 x 2 | 12.5 x 2 |
| DC Switch | Integrated | | | | |

OUTPUT (AC)

| | | | | | |
|----------------------------|--|------|------|------|------|
| Rated Output Power (W) | 4000 | 5000 | 6000 | 8800 | 9800 |
| Max. AC Output Current (A) | 64 | 8 | 96 | 12.5 | 14 |
| Grid Voltage Range | 3 / PE, 230 / 400 V, (320~460 V) | | | | |
| Grid Frequency Range | 50 Hz (47 ~ 51 Hz) | | | | |
| Power Factor | -0.9 ~ +0.9 (adjustable) | | | | |
| THDi | <3% (at rated power) | | | | |
| AC Output | Three-phase (L1, L2, L3, N, PE) / (L1, L2, L3, PE) | | | | |

SYSTEM

| | | | | | |
|-------------------------------|---|-------|-------|----------------------|-------|
| Cooling | Natural cooling method | | | Smart cooling method | |
| Max. Efficiency (%) | 98.10 | 98.10 | 98.20 | 98.30 | 98.30 |
| Euro-Efficiency (%) | 97.50 | 97.60 | 97.70 | 97.80 | 97.80 |
| MPPT Efficiency (%) | 99.90 | | | | |
| Protection Rating | IP65 | | | | |
| Self-Consumption at Night (W) | <0.5 | | | | |
| Topology | Transformerless | | | | |
| Operating Temperature | -25°C ~ +60°C (derate after 45°C) | | | | |
| Relative Humidity | 0 ~+95%, no condensation | | | | |
| Protection | PV array insulation protection, PV array leakage current protection, Ground fault monitoring, Grid monitoring, Island protection, DC monitoring, Short current protection | | | | |

MECHANICAL PARAMETERS

| | | | | |
|------------------------------------|--|--|-----------------|-----|
| Dimensions (H x W x D, mm) | 530 x 360 x 150 | | 575 x 360 x 150 | |
| Weight (kg) | 20 | | 23 | |
| DC Terminal | BC03A, BC03B (PV-FT-CF-C-4-300-BU [-] ...; PV-FT-CM-C-4-300-RD [+] ...; Helios H4 4mm² | | | |
| Installation | Wall mounting | | | |
| Grid Standards | DIN VDE 0126-1-1:2013; VDE-AR-N 4105:2011; DIN VDE V 0124-100:2012; C10/11 | | | |
| Safety certificates / EMC category | IEC 62109-1:2010; IEC 62109-2:2011; EN 61000-6-2:2005; EN 61000-6-3/A1:2011 | | | |
| Noise (dB) | <30 | | | <50 |

DISPLAY AND COMMUNICATION

| | |
|--------------------|--|
| Display | LCD |
| System Language | English, German, Dutch |
| Communication Mode | RS485 + WiFi (Standard), Ethernet (Optional) |

WARRANTIES

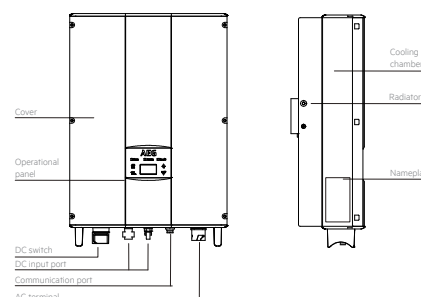
| | |
|------------------|------------------------------------|
| Product warranty | 5 years (optional: 10/15/20 years) |
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AS-IC01-(4000 ~6000)-2



AS-IC01-(8000 ~10000)-2



CONTACT US

Solar Solutions GmbH | Schneckenhofstrasse 19 | 60596 Frankfurt am Main | Germany
 Tel: +49 69 400 500 810 | Fax: +49 69 400 500 819 | Mail: info@aeg-industrialsolar.de
www.aeg-industrialsolar.de