



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)	12000	15000	17000	20000	25000	30000
Max. DC Input power (W)	12500	15600	17500	20800	26000	31200
Max. DC Input Voltage (V)	1000	1000	1000	1000	1000	1000
Starting Voltage / Min. Operation Voltage (V)	200/180	200/180	200/180	300/280	300/280	300/280
MPPT Operating Voltage Range (V)	180-800	180-800	180-800	280-800	280-800	280-800
Number of MPPT / String per MPPT	2/2	2/2	2/2	2/3	2/3	2/3
Max. DC Current (A) per MPPT x Nr. of MPPT	19 x 2	21 x 2	23 x 2	25 x 2	30 x 2	33 x 2
DC Switch	Integrated					

OUTPUT (AC)

Rated Output Power (W)	12000	15000	17000	20000	25000	30000
Max. AC Output Current (A)	19.3	24.1	27.3	32.0	40.0	48.0
Grid Voltage Range	3 / PE, 230 / 400 V, (320~460 V)					
Grid Frequency Range	50 Hz (47 ~ 51 Hz)					
Power Factor	-0.8 ~ +0.8 (adjustable)					
THDi	<3% (at rated power)					
AC Output	Three-phase (L1, L2, L3, N, PE) / (L1, L2, L3, PE)					

SYSTEM

Cooling	Natural cooling method					
Max. Efficiency (%)	98.20	98.30	98.30	98.40	98.40	98.50
Euro-Efficiency (%)	97.60	97.80	97.80	98.00	98.00	98.00
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)	480 x 610 x 204	660 x 520 x 250
Weight (kg)	38	52
DC Terminal	BC03A, BC03B (PV-FT-CF-C-4-300-BU [-]...; PV-FT-CM-C-4-300-RD [+]) ..., Helios H4 4mm ²	
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)	<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-(12000 ~17000)-2



AS-IC01-(20000 ~30000)-2