



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

	Natural cooling method			Smart cooling method	
Cooling					
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 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)	<30		<50	

DISPLAY AND COMMUNICATION

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

WARRANTIES

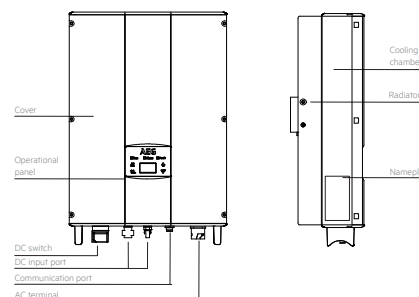
Product warranty	5 years (optional: 10/15/20 years)
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AS-IC01-(4000-6000)-2



AS-IC01-(8000-10000)-2



CONTACT US



Distributor of AEG photovoltaic products in Benelux:

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