



GRID-TIED INVERTER AS-IC01-2 SERIES



33 kW TO 35 kW, 2 MPPT (AS-IC01-2)
40 kW TO 60 kW, 1 MPPT (AS-IC01)
GRID-TIED THREE-PHASE INVERTER



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

MORE POWER FOR LARGE-SIZE INSTALLATIONS



AS-IC01 allows for extreme planning flexibility for your medium and large-size solar installation.

EASY OPERABILITY AND ALL-ROUND MONITORING



AEG AS-IC01 inverters feature 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- and large-scale plants
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)	33000	35000	40000	50000	60000
Max. DC Input power (W)	36000	38000	55000	66000	72000
Max. DC Input Voltage (V)	1000	1000	1100	1100	1100
Starting Voltage (V) / Min. Operation Voltage (V)	300/280	300/280	200/570	200/570	200/570
MPPT Range (V) / Rated Input Voltage (V)	280-800/610	280-800/610	570/950	570/950	570/950
Number of MPPT / String per MPPT	2/3	2/4	1/10	1/12	1/14
Max. DC Current (A) per MPPT x Nr. of MPPT	33 x 2	33 x 2	74x 1	90 x 1	120 x 1
DC switch	Integrated				

OUTPUT (AC)

Rated Output Power (W)	33000	35000	40000	50000	60000
Max. AC Output Current (A)	48.0	48.0	63.5	72.5	96.0
Grid voltage range (V)	320-460 V	357-483 V	230-400 V	230-400 V	230-400 V
Grid frequency range (Hz)	50 Hz (47~ 51.5 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	Smart cooling				
Max. Efficiency (%)	98.50	98.50	98.90	98.90	99.00
Euro-Efficiency (%)	98.10	98.10	98.50	98.50	98.50
MPPT Efficiency (%)	99.90				
Protection Rating	IP65				
Power Consumption at Night (W)	<0.5				
Operating Temperature	-25°C ~ 60°C (derate after 45°C)				
Relative Humidity	0 ~ 95%, no condensation				
Protection	PV array insulation protection, AC short-circuit current protection, overcurrent protection, RCD, overvoltage protection, anti-island protection, ground fault monitoring, ground fault monitoring, grid monitoring, DC monitoring				

MECHANICAL PARAMETERS

Dimensions (H x W x D, mm)	660 x 520 x 250	810 x 645 x 235
Weight (kg)	52	53
DC Terminal	Waterproof terminals	
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	
Topology	Transformerless	
Noise (dB)	<50	

DISPLAY AND COMMUNICATION

Display	LCD
System Language	English, German, Dutch
Communication Mode	RS485 + WiFi

WARRANTIES

Product warranty	5 years (optional: 10/15/20 years)
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AS-IC01-(33000-35000)-2



AS-IC01-(40000-60000)

CONTACT US