



LET THE SUNSHINE IN

... WITH FUKAN PHOTOVOLTAIK-INVERTER

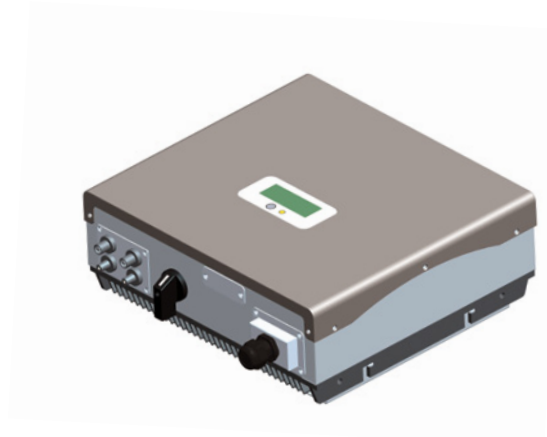


INNOVATIVE
ECONOMICAL
TOP QUALITY

INNOVATIVE, ECONOMICAL AND TOP QUALITY

A PERFECT SOLUTION FOR YOUR HOME OR INDUSTRIAL BUILDING

The photovoltaic grid-connected power generation is the most attractive energy technology in the 21st century. Think modern and use our PV-Inverter also for your home or industrial building!



INNOVATIVE



- We have developed our PV-Inverter by using the latest technology to guarantee you a top quality, effectiveness and stability.
- Our innovative data transfer mode systems pave the way for an easy and comfortable control of your solar plant and your energy yields.
- As silent as the step of a cat.

ECONOMICAL



- Our modern technology assures a high availability.
- The low energy and conversion losses of our inverters allow a high economic efficiency of your solar plant.
- All circuit points are pluggable and allow an easy replacement of the inverter if there is a failure or a breakdown.

TOP QUALITY



- We will give you a 5-year manufacturer's warranty, which can be extended.
- Our PV-Inverter is certified according to Europe Norm EN 50178 and further it has the VDE inspection certificate and is as well CE certified.

TECHNICAL DATA PHOTOVOLTAIK-INVERTER

SPECIFICATIONS	GW 2000	GW 3000	GW 4400	GW 5000	GW 5000B
DC INPUT					
Max. DC Power	2,100 W	3,000 W	4,400 W	5,000 W	5,200 W
Max. DC Voltage	450 V	500 V	580 V	580 V	580 V
PV Voltage Range MPPT	120–450 V	120–450 V	120–500 V	120–500 V	120–500 V
Max. Number of Parallel Strings	2	2	3	3	2/2
Number of MPP Tracker	1	1	1	1	2 (parallel)
Max. Input Current MPP Tracker	10 A	13 A	18 A	18 A	15 A/15 A
AC OUTPUT					
Nominal AC Output Power	2,000 W	2,850 W	4,200 W	4,600 W	5,000 W
Max. AC Power	2,000 W	2,850 W	4,200 W	4,600 W	5,000 W
Max. Output Current	11 A	13 A	21 A	22,7 A	22,7 A
Nominal AC Range of Voltage	220–240 V / 180–280 V				
AC Grid Frequency Range	50 Hz, 60 Hz/± 5 Hz				
Phase Shift (cos φ)	1				
THDI	< 3 %				
AC Connection	Single Phase				
EFFICIENCY					
Max. Efficiency	96 %	97 %	97.5 %	97.8 %	97.8 %
Euro-eta	95,5 %	95,5 %	97.4 %	97.4 %	97.4 %
MPPT Efficiency	99.5 %	99.5 %	99.5 %	99.5 %	99.5 %
PROTECTION DEVICES					
DC Reverse Polarity Protection	yes				
AC Short Circuit Protection	yes				
Ground Fault Monitoring	yes				
Grid Monitoring	yes				
Integrated All-Pole Sensitive Leakage Current Monitoring Unit	yes				
GENERAL DATA					
Dimensions (W/D/H) in mm	320/265/130	320/265/130	320/265/130	320/265/130	320/310/140
Weight	13 kg	13 kg	15 kg	15 kg	16 kg
Operating Temperatur Rang	– 25 °C ... + 60 °C				
Noise Emmision (typical)	≤ 25 dB(A)				
Consumption: Operating (standby)/Night	< 5 W / < 0.5 W				
Topology	transformatorless				
Cooling Concept	Convection (no fan)				
Installation: Indoors / Outdoors (IP65 Elektronik)	yes/Opt.	yes/Opt.	yes/Opt.	yes/Opt.	yes/Opt.
FEATURES					
DC Connection: MC3/MC4	yes/Opt.				
AC Connection	yes				
LCD Display	yes				
Interfaces: Bluetooth/RS485/RS232	Opt./Opt./yes				
Ethernet-Interface RJ45	Opt.				
Warranty: 5 Years/10 Years	yes/Opt.				
Certificates and Approvals	CE/VDE, EN 50178, VDE 0126-1-1, EN6100-3-2, EN6100-6-1, EN6100-6-2, EN6100-6-3, EN6100-6-4, G 83				
	AS4777, SNZ, AS NZS 3100				

UNCOMPROMISINGLY SAFE FOR YOUR HOME OR INDUSTRIAL BUILDING

WE GUARANTEE OUR BEST SERVICE TO YOU

Our customer is king, that is why FUKAN GmbH is investing in a modern approach and an excellent service.

By using our inverter you will receive:

- *an always innovative status of technology*
- *an attractive price-performance ratio*
- *enormously high-quality-awareness*
- *top quality design*
- *easy and comfortable handling – no previous knowledge necessary*
- *low service and repair costs*
- *high availability*
- *easy replacement because of pluggable circuit points*



CONTACT

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