

# INVERTERS



## Hybrid Inverter (Single Phase)

### Main Features

Supplied with switch  
A.D

Natural cooling

Supplied with wall support

IP65 degree of protection

Noise level <25dB

Ambient temperature between  
-25°C and +60°C

Relative humidity between 0 and  
100%

Injection 0 with current sensor  
included Consumption

recording with graphical display  
on the APP Possibility of on-grid  
and off-grid operation

EPS function activated in less than  
10ms

(Allows a smooth transition from  
on-grid to off-grid operation during an  
outage. provides power even during an  
interruption in the mains supply)

### Product Description

Hybrid inverters (Single-phase) equipped with battery charger and charge regulator.

With powers from 3000W to 6000W.

All models are part of the DGEG inverter exchange

### Models and Prices

Code	Model
2704-9818	3000W-EP Hybrid Inverter (Single Phase)
2704-9814	Hybrid Inverter 4000W - EP (Single Phase)
2704-9828	5000W Hybrid Inverter - EP (Single Phase)
2704-9808	6000W Hybrid Inverter - EP (Single Phase)



TECHNICAL DATA	3000EP	4000EP	5000EP	6000EP
<b>BATTERY PARAMETERS</b>				
Battery Type	Lithium Ion	Lithium Ion	Lithium Ion	Lithium Ion
Nominal Battery Voltage	48V	48V	48V	48V
Battery Voltage Range	42 - 58V	42 - 58V	42 - 58V	42 - 58V
Battery Capacity	50 - 2000Ah	50 - 2000Ah	50 - 2000Ah	50 - 2000Ah
Pot. Max. Load/Unload	3750W	4250W	5000W	5000W
Max Load Current	75A	85A	100A	100A
Max Discharge Current	75A	85A	100A	100A
Charge Curve (Lithium Ion)	BMS	BMS	BMS	BMS
Discharge Depth (Ions of Lithium)	0 - 90% (Adjustable)	0 - 90% (Adjustable)	0 - 90% (Adjustable)	0 - 90% (Adjustable)
<b>INPUT (DC)</b>				
Maximum power	4500Wp	6000W	7500Wp	9000Wp
Max Power Single MPPT	3500W	3500W	3750W	3750W
Maximum voltage	600V	600V	600V	600V
Starting Voltage	100V	100V	100V	100V
Rated voltage	360V	360V	360V	360V
MPPT operation	90V - 550V	90V - 550V	90V - 550V	90V - 550V
Func. Pot. Maximum	160V - 500V	200V - 500V	250V - 500V	300V - 500V
MPPT number	--	--	--	--
Inputs by MPPT	1	1	1	1
Maximum Current	13A / 13A	13A / 13A	13A / 13A	13A / 13A
<b>OUTPUT (AC) - EPS</b>				
Max Apparent Power	3000VA	4000VA	5000VA	6000VA
Peak Power, Duration	3600VA, 60s	4800VA, 60s	6000VA, 60s	6000VA, 60s
Rated voltage	230V	230V	230V	230V
Maximum Current	13.6A	18.2A	22.7A	22.7A
<b>OUTPUT (AC) NETWORK</b>				
Rated power	3000W	4000W	5000W	6000W
Max Output to Network	3300VA	4400VA	5500VA	6000VA
Max Network Input	6000VA	8000VA	10000VA	12000VA
Voltage and Frequency	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz
Inversion Time	10ms	10ms	10ms	10ms
<b>CHARACTERISTICS</b>				
Maximum Efficiency	97.6%	97.6%	97.8%	98.0%
EURO efficiency	97.2%	97.2%	97.3%	97.5%
Standby Losses	< 10W	< 10W	< 10W	< 10W
Communication mode	RS485,Wifi,Bluetooth, CAN2.0, Ethernet	RS485,Wifi,Bluetooth, CAN2.0, Ethernet	RS485,Wifi,Bluetooth, CAN2.0, Ethernet	RS485,Wifi,Bluetooth, CAN2.0, Ethernet
Weight	21.5kg	21.5kg	21.5kg	21.5kg
Dimensions	482x503x183mm	482x503x183mm	482x503x183mm	482x503x183mm
Display	LCD & Bluetooth APP	LCD & Bluetooth APP	LCD & Bluetooth APP	LCD & Bluetooth APP

