

INVERTERS



Inverter 20000W - 50000W (Three Phase)

Self-Consumption

Main Features

- Supplied with DC switch
- Fan cooling
- Transformerless technology
- IP65 degree of protection
- Ambient temperature between -25°C and +60°C
- Maximum altitude 4000 meters

- LCD Display & Bluetooth + APP
- Noise level <60dB
- Relative humidity: 0 to 100%
- Option: Injection 0 (adding the zero injection system)**
- Option: preview consumption (adding Smart counter + 3 sensors due)**

Product Description

Range of Three-Phase Inverters available with nominal output powers from 20000W to 50000W. All models are part of the DGEG inverter exchange

Models and Prices

Code	Model
2704-9813 *	S-20000W Inverter (Three Phase)
2704-9415	R-20000W Inverter (Three Phase)
2704-9819 *	S-25000W Inverter (Three Phase)
2704-9410	25000W-R Inverter (Three Phase)
2704-9825 *	S-30000W Inverter (Three Phase)
2704-9826 *	S-36000W Inverter (Three Phase)

Code	Model
2704-9827 *	S-40000W Inverter (Three Phase)
2704-9817 *	50000W Inverter (Three Phase)
2704-9702	Zero Injection System (three-phase)
2704-9714	Three-phase Smart Counter
2704-9713 *	Current Sensor HY94C5-200 (3 units required by accountant)

*On special order

TECHNICAL DATA	S-20000W	R-20000W	S-25000W	R-25000W	30000W	36000W	40000W	50000W	
INPUT (DC)									
Pot. Maximum DC	30000Wp	30000Wp	33250Wp	37500Wp	45000Wp	54000Wp	60000Wp	75000Wp	
Pot. Max w/MPPT Single	15000W	-	16000W	-	25000W	25000W	25000W	25000W	
MPPT number	-	-	-	-	3	3	4	4	
Inputs by MPPT	2/2	2/2	3/3	2/2	2/2/2	2/2/2	2/2/2/2	2/2/2/2	
Max Voltage (DC)	1100V	1100V	1100V	1100V	1100V	1100V	1100V	1100V	
Starting Voltage	160V	165V	250V	165V	200V	200V	200V	200V	
Rated voltage	650V	630V	620V	630V	620V	620V	620V	620V	
Func. MPPT	140V - 1000V	150V - 1000V	230V - 960V	150V - 1000V	180V - 1000V	180V - 1000V	180V - 1000V	180V - 1000V	
Func. Pot. Max.	480V - 850V	-	460V - 850V	-	480V - 850V	540V - 850V	480V - 850V	540V - 850V	
Max Current	26A/26A	30A/30A	28A/28A	30A/30A	40A/40A/40A	40A/40A/40A	40A/40A/40A/40A	40A/40A/40A/40A	
OUTPUT (AC)									
Pot. Nominal	20000W	20000W	25000W	25000W	30000W	36000W	40000W	50000W	
Pot. Max AC	22000VA	22000VA	27500VA	27500VA	34000VA	40000VA	44000VA	55000VA	
Maximum Current	31.9A	31.9A	40A	40A	51.5A	60.6A	66.7A	83.3A	
Rated voltage	3/N/PE,400	3/N/PE,400	3/N/PE,400	3/N/PE,400	3/N/PE,400	3/N/PE,400	3/N/PE,400	3/N/PE,400	
Mains Voltage Range	310V - 480V	310V - 480V	310V - 480V	310V - 480V	310V - 480V	310V - 480V	310V - 480V	310V - 480V	
Nominal frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	
Power Factor	1 (adjustable)	1 (adjustable)	1 (adjustable)	1 (adjustable)	1 (adjustable)	1 (adjustable)	1 (adjustable)	1 (adjustable)	
CHARACTERISTICS									
Max Efficiency	98.6%	98.5%	98.4%	98.5%	98.6%	98.6%	98.8%	98.8%	
EURO efficiency	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%	
Communication	RS485, (Wifi), BT	RS485, (Wifi), BT	RS485, Wi-Fi, S.D.	RS485, (Wifi), BT	RS485, (Wifi), BT	RS485, (Wifi), BT	RS485, (Wifi), BT	RS485, (Wifi), BT RS485, (Wifi), BT	
Dimensions (mm)	520x430x189 506x386x185 666x512x254 506x386x185 585x480x220 585x480x220 585x480x220							585x480x220	

INVERTERS

Weight	22kg	23kg	37kg	23kg	36kg	36kg	37kg	37kg
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