

# INVERTERS



## Inverter 8000W - 15000W (Three Phase)

### Self-Consumption

### Main Features

- Supplied with DC switch
- Natural cooling
- Forced cooling (model S-15000W)
- Transformerless technology
- IP65 degree of protection
- Ambient temperature between -25°C and +60°C
- Maximum altitude 4000 meters

- LCD Display & Bluetooth + APP
- Noise level <40dB
- Relative humidity: 0 to 100%
- Warranty: 5 Years

- 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 8000W to 15000W.  
**All models are part of the DGEG inverter exchange**

## Models and Prices

| Code        | Model                           |
|-------------|---------------------------------|
| 2704-9408   | 8000W Inverter (Three Phase)    |
| 2704-9807 * | 8800W Inverter (Three Phase)    |
| 2704-9413   | R-10000W Inverter (Three Phase) |
| 2704-9815 * | 11000W Inverter (Three Phase)   |
| 2704-9824 * | S-12000W Inverter (Three Phase) |

| Code        | Model  |
|-------------|--|
| 2704-9816 * | 15000W Inverter (Three Phase)                              |
| 2704-9414   | R-15000W 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         | 8000W                  | 8800W                  | 10000W                   | 11000W                 | 12000W                 | S-15000W                 | R-15000W               |
|------------------------|------------------------|------------------------|--------------------------|------------------------|------------------------|--------------------------|------------------------|
| <b>INPUT (DC)</b>      |                        |                        |                          |                        |                        |                          |                        |
| Pot. Maximum DC        | 11710Wp                | 12000Wp                | 15000Wp                  | 15000Wp                | 18000Wp                | 22500Wp                  | 22500Wp                |
| Pot. Max w/MPPT Single | 6200W                  | -                      | -                        | 7500W                  | 7500W/15000W           | 15000W                   | -                      |
| MPPT number            | ...                    | ...                    | ...                      | ...                    | ...                    | ...                      | ...                    |
| Inputs by MPPT         | 1/1                    | 1/1                    | 1/1                      | 1/1                    | 1/2                    | 2/2                      | 2/1                    |
| Max Voltage (DC)       | 1000V                  | 1000V                  | 1000V                    | 1100V                  | 1100V                  | 1100V                    | 1000V                  |
| Starting Voltage       | 200V                   | 160V                   | 160V                     | 160V                   | 160V                   | 160V                     | 160V                   |
| Rated voltage          | 600V                   | 630V                   | 630V                     | 650V                   | 650V                   | 650V                     | 630V                   |
| Func. MPPT             | 160V - 960V            | 140V - 950V            | 140V - 950V 140V - 1000V | 140V - 1000V           | 140V - 1000V           | 140V - 1000V 140V - 950V |                        |
| Func. Pot. Max.        | 380V - 850V            | -                      | -                        | 420V - 850V            | 460V - 850V            | 420V - 850V              | -                      |
| Max Current            | 11A / 11A              | 16A / 16A              | 16A / 16A                | 15A / 15A              | 15A/30A                | 26A / 26A                | 20A/16A                |
| <b>OUTPUT (AC)</b>     |                        |                        |                          |                        |                        |                          |                        |
| Pot. Nominal           | 8000W                  | 8000W                  | 10000W                   | 10000W                 | 12000W                 | 15000W                   | 15000W                 |
| Pot. Max AC            | 8800VA                 | 8800VA                 | 11000VA                  | 11000VA                | 13200VA                | 16500VA                  | 16500VA                |
| Maximum Current        | 12.8A                  | 12.8A                  | 16A                      | 16.7A                  | 20A                    | 23.9A                    | 24A                    |
| 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             |
| Network Voltage Range  | 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                |
| Power Factor           | 1 (adjustable +/- 0.8) | 1 (adjustable +/- 0.8) | 1 (adjustable +/- 0.8)   | 1 (adjustable +/- 0.8) | 1 (adjustable +/- 0.8) | 1 (adjustable +/- 0.8)   | 1 (adjustable +/- 0.8) |
| <b>CHARACTERISTICS</b> |                        |                        |                          |                        |                        |                          |                        |
| Max Efficiency         | 98.3%                  | 98.5%                  | 98.5%                    | 98.5%                  | 98.5%                  | 98.6%                    | 98.5%                  |

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|                 |                   |               |                  |                          |                          |                          |               |
|-----------------|-------------------|---------------|------------------|--------------------------|--------------------------|--------------------------|---------------|
| EURO efficiency | 98.0%             | 98.0%         | 98.0%            | 98.0%                    | 98.0%                    | 98.2%                    | 98.0%         |
| Communication   | RS485, WiFi, s.d. | RS485, (Wifi) | SD, RS485 (Wifi) | RS485, (Wifi), bluetooth | RS485, (Wifi), bluetooth | RS485, (Wifi), bluetooth | RS485, (Wifi) |
| Dimensions (mm) | 457x452x202       | 455x390x175   | 457x452x202      | 430x385x182              | 430x385x182              | 520x430x189              | 455x390x190   |
| Weight          | 22kg              | 18.3kg        | 21kg             | 18kg                     | 18kg                     | 20kg                     | 21.6kg        |

