

# Cotek Combi DC-AC, 12-230 V, 3 kW SC3000 12-230

**Combined unit comprising a 230 V sine wave inverter with a continuous output of up to 3 kW and a charger for 12 V Lead acid (wet, gel, AGM) batteries.**

// Powerful
// High efficiency
// Pure sine wave

The Cotek SC3000 12-230 is a powerful sine wave inverter and charger for Lead acid (wet, gel, AGM) batteries in one. This combination enables convenient bidirectional operation: depending on requirements, it converts 12 V direct current (DC) from a battery into 230 V alternating current (AC) with up to 3,000 Watts of continuous power for use with 230 V appliances, or recharges the battery when connected to the 230 V mains supply.
Equipped with sophisticated control and monitoring algorithms, this reliable combination unit regulates the power flow according to demand, the battery's state of charge and mains conditions.

LEAB by Micropower Group

## Technical Information

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| **Nominal voltage (battery)** | 12 V* |
| **Output power (AC), continuous** | 3,000 W* |
| **Charging characteristic** | IU1U2 |
| **Charging current (adjustable)** | 37.5 / 75 / 112.5 / 150 A |
| **Current reduction at +50 °C** | 14 % |
| **Current reduction at +60 °C** | 27 % |
| **Current reduction at +80 °C** | 100 % |
| **Cut-off temperature** | + 60 °C |
| **Frequency range, supply voltage (AC)** | 50 Hz/60 Hz ±0,5 % |
| **Input voltage (AC), max.** | 264 V |
| **Input voltage (DC), max.** | 16.5 V |
| **Input voltage range** | 160 … 264 V |
| **Level of efficiency** | ? 89 % |
| **Max. current peaks** | 390 A |
| **Nominal voltage** | 230 V |
| **Operating temperature** | -20 °C ... +50 °C |
| **Output Power (AC), maximum** | 3,450 W … 6,000 W (3 sec.) |
| **Output Power (AC), short-time** | 3,000 W … 3,450 W (1 min.) |
| **Dimensions (L x W x H)** | 509 x 314 x 128 mm |
| **Weight** | 9.6 kg |

*In the chosen option

## Technical Information

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|---|---|
| **Output Power (AC), surge** | 6,000 W (2 sec.) |
| **Output frequency** | 50 Hz |
| **Overload (2 s)** | 6,000 W |
| **Self-consumption (standby)** | < 0.6 A |
| **Switch-on voltage (DC), auto-restart** | 10.5 V |
| **Temperature sensor** | Optional |
| **Total Harmonic Distortion (THD)** | < 3 % |
| **Type of battery** | Lead acid (wet, gel, AGM) |
| **Voltage wave form** | Sine |

*In the chosen option