



## Cotek Combi DC-AC, 24-230 V, 1.2 kW SC1200 24-230

Combined unit comprising a 230 V sine wave inverter with a continuous output of up to 1.2 kW and a charger for 24 V Lead acid (wet, gel, AGM) batteries.

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

The Cotek SC1200 24-230 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 24 V direct current (DC) from a battery into 230 V alternating current (AC) with up to 1,200 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.

## Technical Information

|                                      |                            |
|--------------------------------------|----------------------------|
| Nominal voltage (battery)            | 24 V*                      |
| Output power (AC), continuous        | 1,200 W*                   |
| Charging characteristic              | IU1U2                      |
| Charging current (adjustable)        | 6.25 / 12.5 / 18.75 / 25 A |
| Current reduction at +50 °C          | 0 %                        |
| Current reduction at +60 °C          | 30 %                       |
| 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.             | 33 V                       |
| Input voltage range                  | 160 ... 264 V              |
| Level of efficiency                  | ? 90 %                     |
| Max. current peaks                   | 66 A                       |
| Nominal voltage                      | 230 V                      |
| Operating temperature                | -20 °C ... +50 °C          |
| Output frequency                     | 50 Hz                      |
| Overload (2 s)                       | 2,400 W                    |
| Dimensions (L x W x H)               | 386 x 251 x 116 mm         |
| Weight                               | 4.55 kg                    |

\*In the chosen option

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## Technical Information

|                                      |                           |
|--------------------------------------|---------------------------|
| Self-consumption (standby)           | < 0.2 A                   |
| Switch-on voltage (DC), auto-restart | 21 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