

Product information sheet

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Date: 19.06.2026

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LEAB
by Micropower Group



Cotek Combi DC-AC, 12-230 V, 1.2 kW SC1200 12-230

Combined unit comprising a 230 V sine wave inverter with a continuous output of up to 1.2 kW and a charger for 12 V Lead acid (wet, gel, AGM) batteries.

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

The Cotek SC1200 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 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

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|--------------------------------------|------------------------|
| Nominal voltage (battery) | 12 V* |
| Output power (AC), continuous | 1,200 W* |
| Charging characteristic | IU1U2 |
| Charging current (adjustable) | 12.5 / 25 / 37.5 / 50A |
| 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 | ? 89 % |
| Max. current peaks | 132 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) | < 0.4 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