

Product information sheet

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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.

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Technical Information

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

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Technical Information

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