

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.

LEAB by Micropower Group

Technical Information

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 Power (AC), maximum	1,380 W … 2,400 W (3 sec.)
Output Power (AC), short-time	1,200 W … 1,380 W (1 min.)
Dimensions (L x W x H)	386 x 251 x 116 mm
Weight	4.55 kg

*In the chosen option

Technical Information

Output Power (AC), surge	2,400 W (2 sec.)
Output frequency	50 Hz
Overload (2 s)	2,400 W
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