Cotek Combi DC-AC, 24-230 V, 2 kW SC2000 24-230

Combined unit comprising a 230 V sine wave inverter with a continuous output of up to 2 kW and a charger for 24 V Lead acid (wet, gel, AGM) batteries.

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

The Cotek SC2000 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 2,000 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.

Technical Information

Nominal voltage (battery)	24 V*
Output power (AC), continuous	2,000 W*
Charging characteristic	IU1U2
Charging current (adjustable)	37.5 / 75 / 112.5 / 150 A
Current reduction at +50 °C	30 %
Current reduction at +60 °C	60 %
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	130 A
Nominal voltage	230 V
Operating temperature	-20 °C ... +50 °C
Output frequency	50 Hz
Overload (2 s)	4,000 W
Dimensions (L x W x H)	453 x 251 x 116 mm
Weight	6 kg

*In the chosen option

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