

## High-power inverters

# KERSINE



Made in France



Warranty 3 years

Specialist in energy conversion for more than 30 years, CRISTEC is proud to offer its brand-new range of sinewave high-power inverters, KERSINE. They offer a very good performance and unfailing reliability thanks to proven HF technology.



### High power

They are powerful enough to power high-power AC devices (microwaves oven, coffee machine, hair dryer, etc.).



### Thermal withstand

They deliver 3kW, continuously, regardless of the type of device connected and up to + 50°C ambient.



### Pure sinewave

Thanks to their sinusoidal signal without harmonic distortion, your devices are protected and energy loss is reduced.



### Easy and robust installation

Installation is simple thanks to the supplied AC output cable.



### Parallel mounting

The inverters can be parallel-mounted to increase the output power up to 12kW (4 units). Three-phase operation is also possible (with 3 units).



### 30A built-in relays

KERSINE inverters have built-in alarms and protections, as well as relays (30A) which ensure, in particular, the transfer of AC inputs, as well as the automatic earth relay (mobile applications).



### CAN-Bus interface

A serial CAN-Bus interface allows control and configuration of KERSINE inverters in real time.



Pure sinewave



3000W permanent



Temperature withstand



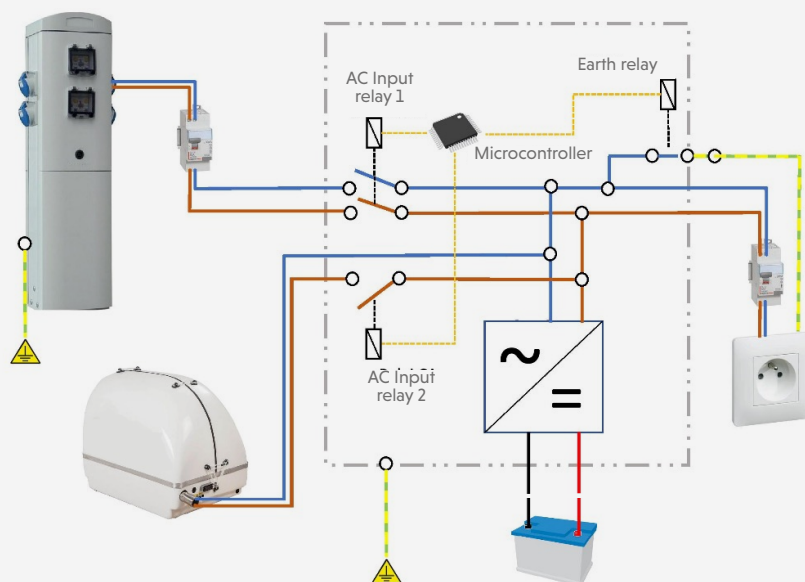
30A built-in relays



Lightweight < 7kg

## Operating principle

Developed for professional use, in harsh environment, KERSINE inverters offer 3kW continuous power. Light in weight and offered with compact dimensions, they are suitable for the widest range of applications. Their integrated relays make them unique products.



## Range KERSINE

Model *	KERSINE 12VDC 230VAC 3000VA	KERSINE 24VDC 230VAC 3000VA	KERSINE 48VDC 230VAC 3000VA
Part Number	KERS12-230/3000	KERS24-230/3000	KERS48-230/3000
<b>DC Input</b>			
Voltage	10.5V - 16V	21V - 32V	42V - 64V
Maximum current	300A	150A	75A
On Mode @ No load Mode		12W	
Efficiency		88%	
Input fuse	400A	200A	100A
<b>AC Output</b>			
Voltage range		220/230/240VAC	
Frequency selectable		50/60Hz	
Rated Power		3000W	
Peak power 3s		3500W	
Earth relay		1 x 30A	
Waveform		Sinusoidal THD < 3%	
Special assemblies		Up to 4 units in parallel mode / 3 for three-phase	
AC fuses (phase and neutral)		25A	
<b>AC Input</b>			
Voltage range		220/230/240VAC	
Frequency Selectable		50/60Hz	
Transfer relays		3 x 30A (1 double and 1 single)	
<b>Environment</b>			
Cooling		Electric fans controlled in T° and current	
Operating temperature		From -20°C to +50°C, derating from 50°C	
Storage temperature		From -40°C to +70°C	
Relative humidity		up to 70% (95% without condensation)	
<b>Casing</b>			
Length, height, depth / Weight		270 x 360 x 130mm / 6.8kg	
Protection factor		IP23	
Electronic card protection		Water-repellent varnish (marine environment)	
Communication port		CAN-Bus as standard - Bluetooth (pending)	
<b>Standards</b>			
CE declaration of conformity		Available on request	
CE / EMC		EN61204-3	
CE / Security - Others		EN60335-2-29 - E-marking (pending)	
<b>Protections</b>			
Input		Reverse Polarity (fuses) / Under voltage / Over voltage	
Output		Short-circuit / Overload / Over Temperature	

\* 48VDC and 115VAC versions - pending