



INVERTERS

KERSINE

Pure sinus

3000 W

Temperature withstand

Transfer relays

UPS function

Compact and light

PRESENTATION

Specialist in energy conversion for more than 30 years, CRISTEC is proud to offer its brand new range of sinewave high-power inverters, **KERSINE**.

KERSINE inverters offer high efficiency and unwavering reliability thanks to proven HF technology.

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



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

Thanks to high quality sinewave signal, voltage and frequency are always stable.

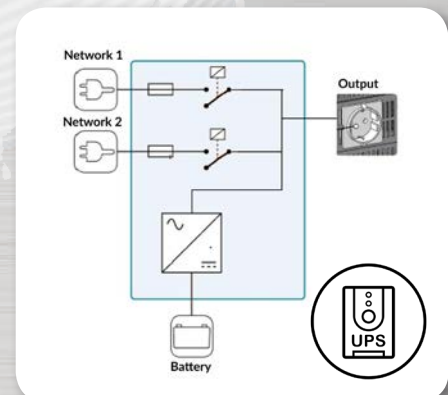
Their installation is simple thanks to professional connectors on terminals.

KERSINE inverters have built-in alarms, as well as 2 transfer relays (30A) which provide, in particular, the UPS function.

Bluetooth Low Energy functionality is integrated to make monitoring easy ^(*).



KERSINE inverters can also be controlled remotely, using a remote ON/OFF switch (KER-DN-OFF option) ^(*).



^(*) pending



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KERSINE



Model	KERSINE 12VDC 230VAC 3000VA	KERSINE 24VDC 230VAC 3000VA
Part Number	KERS12-230/3000	KERS24-230/3000
DC Input		
Voltage	10.5V - 16V	21V - 32V
Maximum current	300A	150A
Nominal Power	3000W	
ON mode @ No load mode	12W	
Efficiency	88%	
Input fuses	400A	200A
AC Output		
Rating power	3000W	
Peak power 3s	3500W	
Waveform	Pure Sine Wave THD < 3%	
Parallel redundancy design	Up to 4 units as standard	
Fuse	25A	25A
AC Input		
Range	220/230/240VAC (*)	
Selectable frequency	50/60Hz	
Synchronous frequency	47 - 57 / 53 - 63 Hz	
Circuit-breaker	30A	
Transfer switch (30A)	Inverter to utility AC : 8~10ms ; utility AC to inverter : 16~50ms	
Environment		
Cooling	Electric fan controlled in temperature and current	
Noise level	54 dBA at 1m, 48 dBA at 3m	
Operating temperature	From -20°C to +50°C, derating from 50°C. > 65°C switch-off	
Storage temperature	From -40°C to +70°C	
Relative humidity	Up to 70% (95% without condensation)	
Casing		
Length, height, depth / Weight	270 x 360x 130 mm / 6.8kg	
Fixing center distance	160 mm	
Fixing screw (wall)	4 M6 round head screws	
Protection factor	IP23	
PCB protection	Water-repellent varnish (marine environment)	
Communication port	CAN-BUS (standard) and Bluetooth or RS485 (optional) or Ethernet (optional)	
Standards		
CE declaration of conformity	Available on request	
CE / EMC	EN61204-3	
CE / Security - Others	EN60335-2-29 - E-marking (pending)	
Protections		
Input	Input Protection : Reverse polarity (Fuse) / Under-voltage / Over-voltage	
Output	Output Protection : Short-circuit / Overload / Over-temperature	
Input / Output	Over-voltage	

(*) Other value - please consult us

