

















KERSINE

Temperature withstand

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 tech-

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 $+50^{\circ}$ C ambient.

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

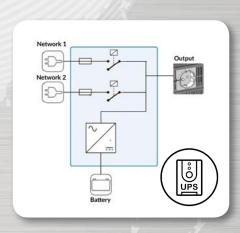
Their installation is simple thanks to professional connectors on terminals.

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 DN/DFF switch (KER-ON-OFF aption) (*).











^(*) pending

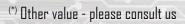
INVERTERS

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	3000	
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	23/1	
Range	220/230/2	240VAC (*)
Selectable frequency	220/230/240VAC ^(*) 50/60Hz	
Synchronous frequency	47 - 57 / 53 - 63 Hz	
Circuit-breaker	47 - 57 / 53 - 63 Hz 30A	
	Inverter to utility AC : 8~10ms ; utility AC to inverter : 16~50ms	
Transfer switch (30A)		•
Transfer switch (30A)		•
Environment	Inverter to utility AC : 8~10ms ; u	utility AC to inverter : 16~50ms
Environment Cooling	Inverter to utility AC : 8~10ms ; u	utility AC to inverter : 16~50ms emperature and current
Environment Cooling Noise level	Inverter to utility AC : 8~10ms ; to Electric fan controlled in to 54 dBa at 1m,	utility AC to inverter : 16~50ms emperature and current 48 dBa at 3m
Environment Cooling Noise level Operating temperature	Inverter to utility AC : 8~10ms ; of the second sec	tillity AC to inverter : 16~50ms emperature and current 48 dBa at 3m from 50°C. > 65°C switch-off
Environment Cooling Noise level Operating temperature Storage temperature	Electric fan controlled in to 54 dBa at 1m, From -20°C to +50°C, derating	tillity AC to inverter : 16~50ms temperature and current 48 dBa at 3m from 50°C. > 65°C switch-off to +70°C
Environment Cooling Noise level Operating temperature Storage temperature Relative humidity	Inverter to utility AC : 8~10ms ; of the second sec	tillity AC to inverter : 16~50ms temperature and current 48 dBa at 3m from 50°C. > 65°C switch-off to +70°C
Environment Cooling Noise level Operating temperature Storage temperature Relative humidity Casing	Electric fan controlled in to 54 dBa at 1m, From -20°C to +50°C, derating	tillity AC to inverter : 16~50ms temperature and current 48 dBa at 3m from 50°C. > 65°C switch-off to +70°C nout condensation)
Environment Cooling Noise level Operating temperature Storage temperature Relative humidity	Inverter to utility AC : 8~10ms ; to Electric fan controlled in to 54 dBa at 1m, From -20°C to +50°C, derating From -40°C Up to 70% (95% with	temperature and current 48 dBa at 3m from 50°C. > 65°C switch-off to +70°C nout condensation) 0 mm / 6.8kg
Environment Cooling Noise level Operating temperature Storage temperature Relative humidity Casing Length, height, depth / Weight	Inverter to utility AC : 8~10ms ; to Electric fan controlled in to 54 dBa at 1m, From -20°C to +50°C, derating From -40°C Up to 70% (95% with 270 x 360x 13)	titility AC to inverter : 16~50ms temperature and current 48 dBa at 3m from 50°C. > 65°C switch-off to +70°C nout condensation) 0 mm / 6.8kg
Environment Cooling Noise level Operating temperature Storage temperature Relative humidity Casing Length, height, depth / Weight Fixing center distance	Inverter to utility AC : 8~10ms ; to Electric fan controlled in to 54 dBa at 1m, From -20°C to +50°C, derating From -40°C Up to 70% (95% with 270 x 360x 13 160	atility AC to inverter : 16~50ms demperature and current 48 dBa at 3m from 50°C. > 65°C switch-off to +70°C mout condensation) 0 mm / 6.8kg mm head screws
Environment Cooling Noise level Operating temperature Storage temperature Relative humidity Casing Length, height, depth / Weight Fixing center distance Fixing screw (wall)	Inverter to utility AC : 8~10ms ; to Electric fan controlled in to 54 dBa at 1m, a From -20°C to +50°C, derating From -40°C Up to 70% (95% with 270 x 360x 13) 160 4 M6 round h	titility AC to inverter: 16~50ms temperature and current 48 dBa at 3m from 50°C. > 65°C switch-off to +70°C nout condensation) 0 mm / 6.8kg mm nead screws 3
Environment Cooling Noise level Operating temperature Storage temperature Relative humidity Casing Length, height, depth / Weight Fixing center distance Fixing screw (wall) Protection factor	Inverter to utility AC : 8~10ms ; the second	atility AC to inverter: 16~50ms demperature and current 48 dBa at 3m from 50°C. > 65°C switch-off to +70°C mout condensation) 0 mm / 6.8kg mm head screws 3 (marine environment)
Environment Cooling Noise level Operating temperature Storage temperature Relative humidity Casing Length, height, depth / Weight Fixing center distance Fixing screw (wall) Protection factor PCB protection	Inverter to utility AC : 8~10ms ; to Electric fan controlled in to 54 dBa at 1m, From -20°C to +50°C, derating From -40°C Up to 70% (95% with 270 x 360x 13 160 4 M6 round her IP2 Water-repellent varnish	atility AC to inverter: 16~50ms demperature and current 48 dBa at 3m from 50°C. > 65°C switch-off to +70°C mout condensation) 0 mm / 6.8kg mm head screws 3 (marine environment)
Environment Cooling Noise level Operating temperature Storage temperature Relative humidity Casing Length, height, depth / Weight Fixing center distance Fixing screw (wall) Protection factor PCB protection Communication port Standards	Inverter to utility AC : 8~10ms ; to Electric fan controlled in to 54 dBa at 1m, 4 From -20°C to +50°C, derating From -40°C Up to 70% (95% with 270 x 360x 13 160 4 M6 round her IP2 Water-repellent varnish CAN-BUS (standard) and Bluetooth or F	atility AC to inverter: 16~50ms demperature and current 48 dBa at 3m from 50°C. > 65°C switch-off to +70°C mout condensation) 0 mm / 6.8kg mm head screws 3 (marine environment) 85485 (optional) or Ethernet (optional)
Environment Cooling Noise level Operating temperature Storage temperature Relative humidity Casing Length, height, depth / Weight Fixing center distance Fixing screw (wall) Protection factor PCB protection Communication port Standards CE declaration of conformity	Inverter to utility AC : 8~10ms ; to Electric fan controlled in to 54 dBa at 1m, From -20°C to +50°C, derating From -40°C Up to 70% (95% with 270 x 360x 13 160 4 M6 round here) Water-repellent varnish CAN-BUS (standard) and Bluetooth or Formal Available of the second	atility AC to inverter: 16~50ms demperature and current 48 dBa at 3m from 50°C. > 65°C switch-off to +70°C nout condensation) 0 mm / 6.8kg mm nead screws 3 (marine environment) RS485 (optional) or Ethernet (optional)
Environment Cooling Noise level Operating temperature Storage temperature Relative humidity Casing Length, height, depth / Weight Fixing center distance Fixing screw (wall) Protection factor PCB protection Communication port Standards CE declaration of conformity CE / EMC	Inverter to utility AC : 8~10ms ; to Electric fan controlled in to 54 dBa at 1m, 4 From -20°C to +50°C, derating From -40°C Up to 70% (95% with 270 x 360x 13 160 4 M6 round her IP2 Water-repellent varnish CAN-BUS (standard) and Bluetooth or Facility Available of EN612	atility AC to inverter: 16~50ms demperature and current 48 dBa at 3m from 50°C. > 65°C switch-off to +70°C mout condensation) 0 mm / 6.8kg mm head screws 3 (marine environment) 85485 (optional) or Ethernet (optional) n request
Environment Cooling Noise level Operating temperature Storage temperature Relative humidity Casing Length, height, depth / Weight Fixing center distance Fixing screw (wall) Protection factor PCB protection Communication port Standards CE declaration of conformity CE / EMC CE / Security - Others	Inverter to utility AC : 8~10ms ; to Electric fan controlled in to 54 dBa at 1m, From -20°C to +50°C, derating From -40°C Up to 70% (95% with 270 x 360x 13 160 4 M6 round here) Water-repellent varnish CAN-BUS (standard) and Bluetooth or Formal Available of the second	atility AC to inverter: 16~50ms demperature and current 48 dBa at 3m from 50°C. > 65°C switch-off to +70°C nout condensation) 0 mm / 6.8kg mm nead screws 3 (marine environment) 85485 (optional) or Ethernet (optional) n request
Environment Cooling Noise level Operating temperature Storage temperature Relative humidity Casing Length, height, depth / Weight Fixing center distance Fixing screw (wall) Protection factor PCB protection Communication port Standards CE declaration of conformity CE / EMC CE / Security - Others Protections	Inverter to utility AC : 8~10ms ; to Electric fan controlled in to 54 dBa at 1m, 4 From -20°C to +50°C, derating From -40°C Up to 70% (95% with 270 x 360x 13 160 4 M6 round her IP2 Water-repellent varnish CAN-BUS (standard) and Bluetooth or Facility EN60335-2-29 - E-EN60335-2-29 - E-	atility AC to inverter: 16~50ms demperature and current 48 dBa at 3m from 50°C. > 65°C switch-off t to +70°C mout condensation) 0 mm / 6.8kg mm dead screws 3 (marine environment) 85485 (optional) or Ethernet (optional) on request 104-3 marking (pending)
Environment Cooling Noise level Operating temperature Storage temperature Relative humidity Casing Length, height, depth / Weight Fixing center distance Fixing screw (wall) Protection factor PCB protection Communication port Standards CE declaration of conformity CE / EMC CE / Security - Others	Inverter to utility AC : 8~10ms ; to Electric fan controlled in to 54 dBa at 1m, 4 From -20°C to +50°C, derating From -40°C Up to 70% (95% with 270 x 360x 13 160 4 M6 round her IP2 Water-repellent varnish CAN-BUS (standard) and Bluetooth or Facility Available of EN612	artility AC to inverter: 16~50ms The semperature and current 48 dBa at 3m From 50°C. > 65°C switch-off To +70°C Thout condensation) To mm / 6.8kg The semperature and current To +70°C Thout condensation) The semperature and current The se











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