

INVERTERS SINGLE PHASE

SERIES: KT - 125 VDC



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COMPUTER POWER[®]

The Next Level in Digital Convergence[®]

125 VDC Inverter (2 KVA)

KT Series inverters convert 125 VDC into high quality 115 VAC energy source to be used in telecom, computer rooms, networks and other communication equipment.

These inverters can also be used in solar system applications.

Features:

- Simple and reliable micro-CPU control.
- High efficiency > 85%.
- Pure sine wave SPWM technology, with stabilized output voltage and frequency, noise filtering and low distortion.
- Built-in fast bypass switch to transfer between the mains and the inverter.
- It can work without DC power.
- Support communication functions:
 - RS-232 (standard).
 - RS-485 / RJ-45 / SNMP v3 / TCP-IP (optional).
- Provide three groups of passive dry contacts:
 - DC input failure, mains failure and AC output failure.
- Rack mounting design, easy to use.
- Overload and short circuit protection with 50 seconds autorecovery function.
- Two working modes: AC and DC.
 - Select AC power mode if the facility energy is within specs. When the mains fails, the inverter will work from DC.
 - If DC power mode is selected, the inverter will be fed from the DC source. If DC source fails, the unit will automatically transfer to bypass.

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Computer Power Inverter Series KT 2 KVA		
MODEL	KT - 2000 VA - SE - 125 VDC	
OUTPUT POWER	2 KVA	
DC INPUT	Rated input voltage	125 V
	Rated input current	16.7 A
	Turn-off voltage range	93.4 V - 143 V
	Turn-on voltage range	107.6 V - 136.3 V
	Anti-noise current irrigation	≤ 10%
AC INPUT	Bypass voltage	115 VAC ± 10 VAC 1P + N + G
	Rated input current	13.4 A
	Bypass transfer time	≤ 5 ms
AC OUTPUT	Rated capacity	2000 VA
	Rated output power	1600 W
	Run Mode	AC or DC selectable
	Rated output voltage and frequency	115 VAC, 60 Hz 1P + N + G
	Wave form	Pure sine wave
	Rated output current	13.4 A
	Output voltage accuracy	115 VAC ± 1.5%
	Output frequency accuracy	60/50 Hz ± 0.1%
	Waveform distortion	≤ 3%
	Dynamic Response Time	5%
	Power factor	0,8
	Overload	120% , 30 s
	Efficiency (80% Resistive load)	≥ 85%
	Neutral to Ground Voltage	0 V Using provided jumper if no Bypass line connected
WORKING ENVIRONMENT	Dielectric Strength	Input & output 1500 VAC, 1min
	Audible Noise	≤ 40 dB @ 1 m
	Ambient temperature	-25° C ~ + 50° C
	Humidity	0 ~ 90%, Non-condensing
	Altitude	≤ 1500 m
Cooling	Forced air	
COMMUNICATION INTERFACE	HMI	LED + LCD display
	Serial Interface	RS-232 standard / RS-485 optional
	Dry contacts	3 Optional channels, select from: DC Input fail, AC Input fail, AC output fail, overload
	TCP / IP network interface	Optional
	SNMP v3	Optional
PROTECTIONS	DC Input under / overvoltage, output overload, short circuit protection, AC input high / low voltage protection	
OUTPUT WIRING	Terminal Blocks, 3 channels output	
PHYSICAL	Weight	16 Kg
	Dimension W x D x H	448 x 445 x 88 mm (2U)
STANDARDS & CERTIFICATIONS	Quality	ISO 9001; CE
	Compliance	EN 61000-6-1; EN 61000-6-3 ; EN 60950-1

Specifications subject to change without prior notice.

• Front panel view



• Rear panel view



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