INVERTERS
SINGLE PHASE

SERIES: KT - 48 VDC

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PanEuropean CE Approved

CTL certification

COMPUTER POWER®

The Next Level in Digital Convergence®

48 VDC Inverter (1KVA - 4 KVA)

KT Series inverters convert 48 VDC into high quality 120 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 optional passive dry contacts.
- Rack mounting design, easy to use.
- Overload and short circuit protection.
- 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.

COMPUTER POWER®

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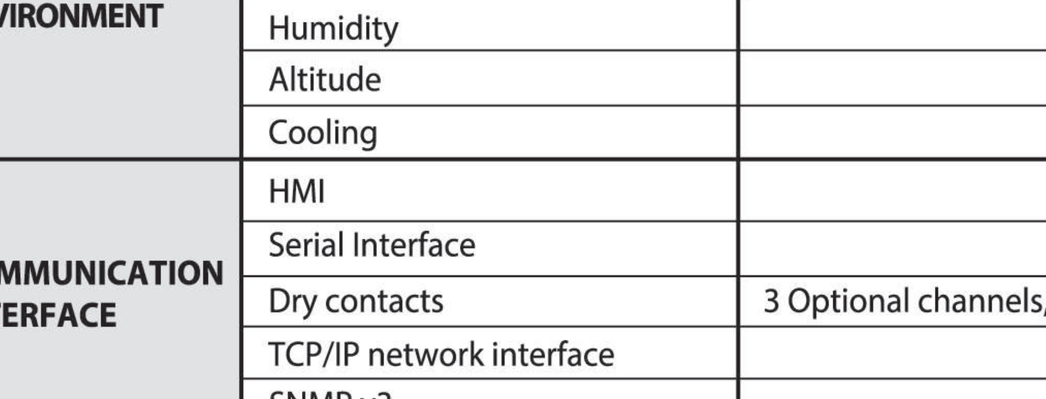
Inverter Series: KT - 48 VDC SINGLE PHASE

48 VDC (1 KVA - 4 KVA)

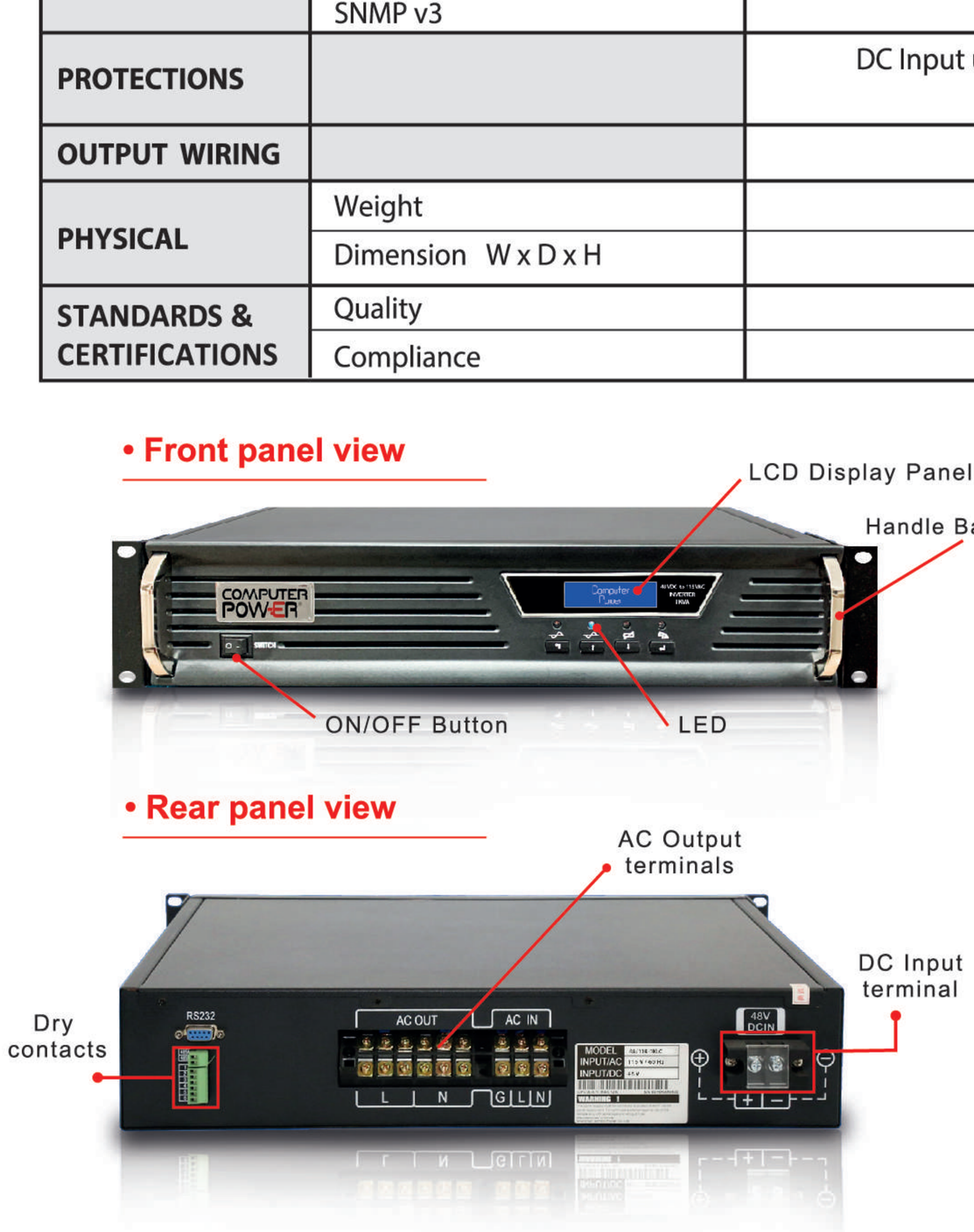
MODEL		KT - 1000 VA - SE	KT - 2000 VA - SE	KT - 3000 VA - SE	KT- 4000 VA - SE
DC INPUT	Rated input voltage	- 48 V			
	Rated input current	24 A	48 A	72 A	96 A
	Turn-off voltage range	- 40 V / - 59 V			
	Turn-on voltage range	- 45 V / - 57 V			
	Anti-noise current irrigation	≤ 10%			
AC INPUT	Nominal voltage and frequency	110, 115, 120 VAC ± 10 VAC, 60 Hz 1P + N + G			
	Rated input current	10.5 A	21.1 A	31.6 A	42.1 A
	Bypass transfer time	≤ 5 ms			
AC OUTPUT	Rated capacity	1000 VA	2000 VA	3000 VA	4000 VA
	Rated output power	800 W	1600 W	2400 W	3200 W
	Run Mode	AC or DC selectable			
	Rated output voltage and frequency	110, 115, 120 VAC, 60 Hz 1P + N + G			
	Wave form	Pure sine wave			
	Rated output current	7.2 A	14.5 A	21.8 A	29.1 A
	Output voltage accuracy	± 1.5%			
	Output frequency accuracy	60 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, 1 min			
	Audible Noise	≤ 40 dB @ 1 m			
	Ambient temperature	- 25° C~ + 50° C			
	Humidity	0 ~ 95%, 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	10 Kg		18 Kg	
	Dimension W x D x H	448 x 445 x 88 mm (2U) , 19" rackmount			
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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