

High Temperature Traffic Control UPS



FEATURES

The Powercom TC Series UPS, a robust and industrial-grade power protection solution that has passed rigorous practical experiments and complies with Transportation Electrical Equipment Specifications (TEES). Designed to excel in challenging environments, the TC UPS offers a wide operating temperature range from -37°C to +74°C, ensuring reliable performance without derating even in extreme conditions. With programmable dry contacts, various communication options, and enhanced power management capabilities, the TC Series UPS is a versatile and reliable choice for critical applications.

Main Features

- **Satisfying TEES Qualified UPS:** TC UPS has proven its industrial-grade power protection through practical experiments and is compliant with TEES standards, making it suitable for outdoor equipment.
- **Wide Operating Temperature Range:** Designed to operate in temperatures ranging from -37°C to +74°C, TC UPS doesn't derate in extreme conditions, ensuring the protection of critical devices.
- **Programmable Dry Contacts:** Benefit from 6 outputs and 1 input programmable dry contact, enabling better power management and accident resilience.
- **Various Communications Available:** TC provides multiple communication options, including USB B type, RS-232, and an optional Ethernet port.
- **Generator Mode Compatibility:** Generator mode allows for wider variations in input voltage and frequency when an AC generator is applied.
- **Accurate Message Delivery:** The 4-line 20 character display maintains high contrast and sharpness, even under sunlight, ensuring accurate information monitoring.
- **Particular Information Monitoring:** A specially customised UPS monitoring system displays specific TC information easily through a web browser.
- **Flexible Communication Method:** With a communication slot, UPS status and scheduled actions can be easily collected for system monitoring.
- **Enhanced Power Management Ability:** Additional input ports are available for more reference in UPS power management.
- **Built-in AVR Function:** TC's in-built AVR stabilises fluctuating voltage, brownouts, and other voltage problems for optimal performance.
- **Inverter Mode:** TC UPS can run continuously in inverter mode and provides current limit protection for critical applications.

High Temperature Traffic Control UPS

| MODEL | DIMENSIONS | WEIGHT | SHIP DIMENSIONS | SHIP WEIGHT |
|---------|--------------------|--------|-------------------|-------------|
| TC-650 | 432 x 254 x 88.6mm | 13kg | 540 x 388 x 233mm | 14kg |
| TC-1100 | 432 x 254 x 88.6mm | 13kg | 540 x 388 x 233mm | 14kg |
| TC-2000 | 432 x 254 x 133mm | 21kg | 540 x 388 x 277mm | 23kg |
| TC-2500 | 432 x 320 x 133mm | 21kg | 540 x 454 x 277mm | 24kg |
| TC-3000 | 432 x 460 x 133mm | 34kg | 617 x 553 x 379mm | 46kg |

SPECIFICATIONS

| | TC-650 | TC-1100 | TC-2000 | TC-2500 | TC-3000 |
|-------------------------------------|---|---------|-------------------|-----------------------|-------------------|
| Configuration | | | | | |
| Capacity (VA) | 650VA | 1100VA | 2000VA | 2500VA | 3000VA |
| Capacity (Watts) | 650W | 1100W | 2000W | 2500W | 3000W |
| Input | | | | | |
| Voltage | 120 VAC ± 25% or 220/230/240 VAC ± 25% | | | 220/230/240 VAC ± 25% | |
| Frequency | 120 VAC 60Hz 220/230/240 VAC 50/60 Hz | | | | |
| Output | | | | | |
| Waveform | Pure sine wave | | | | |
| Voltage | 120 VAC or 220/230/240 VAC | | | 220/230/240 VAC | |
| Frequency | 50 / 60 Hz ± 0.5 Hz | | | | |
| Transfer time- Normal mode (max) | 12 ms | | | | |
| Transfer time- Generator mode (max) | 25ms | | | | |
| AC input & output connectors | Terminal block, Anderson PP45 quick connector, IEC socket | | | | |
| Protection | | | | | |
| Full protection | Overload, breaker | | | | |
| Management & Communication | | | | | |
| Communication port | RS 232, USB B Type, SNMP card (option) | | | | |
| Physical | | | | | |
| Dimensions | 432 x 254 x 88.6mm | | 432 x 254 x 133mm | 432 x 320 x 133mm | 432 x 460 x 133mm |
| Weight | 13kg | | 21kg | 21kg | 34kg |
| Shipping dimensions | 540 x 388 x 233mm | | 540 x 388 x 277mm | 540 x 454 x 277mm | 617 x 553 x 379mm |
| Shipping weight | 14kg | | 23kg | 24kg | 46kg |

To view Access' extensive ranges go to: www.accesscomms.com.au

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High Temperature Traffic Control UPS

SPECIFICATIONS

| | | |
|-----------------------|--|-----------------|
| Indicators | | |
| LCD display | 4 Line multi-function LCD | |
| LED display | Output status, alarm, fault LED | |
| Environmental | | |
| Operating temperature | -37 -+74°C | |
| Operating humidity | 0-95% RH (non condensing) | |
| Audible noise | Less than 50 dB | Less than 60 dB |
| Battery | | |
| String voltage | 24 VDC/48 VDC | 48 VDC |
| Type | Lead-acid battery | |
| Max charge current | TC--650 / 1100 10A, TC-2000 / 2500 / 3000 10A (30A option) | |

- * Specifications are subject to change without further notice.
- * Specifications are for reference, please refer to information based on real product
- * No derating under full temperature range..