

## TCP-TC-BBU SERIES SINGLE OUTPUT PORTABLE/SEVERE ENVIRONMENT DC UPS BATTERY BACK-UP POWER SUPPLIES WITH TRANSIT CASE

### APPLICATIONS

The TCP-TC-BBU Series satisfies an emerging market where "critical" continuous power is required. Designed as a complete system with power supply, charger and on board batteries, loaded with standard features the TCP-TC BBU Series is ideal for portable, harsh environment indoor or outdoor applications.

### STANDARD FEATURES

- Mounted in a portable transit case
- Rugged construction
- OV/OL/OT Protected
- Built-In On Board premium batteries
- Input and battery circuit breakers
- Voltage & Current Meters
- Visual and electronic signals
- Low voltage battery disconnect.

### AVAILABLE OPTIONS

- Redundant Operation (N+1)
- MS Connector
- 400 Hz Operation
- Wide Temperature Range (Premium Batteries)
- Conformal Coating
- Power Factor Correction
- Ruggedized for Shock & Vibration



### SPECIFICATIONS

#### ELECTRICAL

AC Input Voltage : 90-264VAC

Auto-Line Selection optional.

AC Input Frequency: 47-63Hz Standard, 47-400Hz optional

Regulation: Line  $\pm$  .3%

Load + 2%

Ripple: 1% peak to peak, not to exceed 100mVpp

Efficiency: 85% typical

Output voltage adj: +10% on main output

Overvoltage Protection: Set at 120% of main output,  
automatic recovery

Overload Protection: Current limiting, automatic recovery

#### MECHANICAL AND ENVIRONMENTAL

Operating Temperature:

0°C to + 50°C standard

-40°C to 60°C optional

Storage Temperature: -40°C to 85°C

Cooling: Internal ball bearing DC fan

Safety: Designed to meet UL 1950, CSA 1402 A

EMI: meets FCC Class A

Humidity: 90% non condensing

Size: 22.75" (L) x 22.5" (W) x 10" (H)

Weight: Approx: 45lbs (depending on battery type & size)

## MODEL SELECTION

600 WATT POWER SUPPLY		800 WATT POWER SUPPLY		1000 WATT POWER SUPPLY	
MODEL	OUTPUT	MODEL	OUTPUT	MODEL	OUTPUT
TCP-TC-BBU-12-50	12V (13.5V) @ 50A	TCP-TC-BBU-12-66	12V (13.5V) @ 66A		
TCP-TC-BBU-24-25	24V (27.6V) @ 25A	TCP-TC-BBU-24-33	24V (27.6V) @ 33A	TCP-TC-BBU-24-44	24V (27.6V) @ 44A
TCP-TC-BBU-48-12	48V (54V) @ 12A	TCP-TC-BBU-48-16	48V (54V) @ 16A	TCP-TC-BBU-48-20	48V (54V) @ 20A
600 WATTS BACK-UP FOR 50 MIN		800 WATTS BACK-UP FOR 30 MIN		1000 WATTS BACK-UP FOR 20 MIN	

NOTE: MINIMUM QUANTITY PURCHASE REQUIRED ON MOST MODELS.  
OTHER VOLTAGES & CURRENTS ARE AVAILABLE CONTACT THE FACTORY FOR DETAILS.

## MECHANICAL OUTLINE

