# **TCP-BX-BBU SERIES**

# SINGLE OUTPUT DC UPS BATTERY BACK-UP POWER SUPPLIES

400 - 1000 WATTS

# **APPLICATIONS**

The TCPBX Series satisfies an emerging market where "critical" continuous power is required. Designed as a complete system with power supply and on board batteries, the TCPBX Series is ideal for portable harsh Industrial and Communication applications where no downtime is critical. Portable DC power where and when you need it.

### STANDARD FEATURES

- Compact, light weight
- Rugged Construction
- OV/OL/OT Protected
- Built-In On Board Premium Batteries
- Input and battery circuit breakers
- MS Connectors
- Low Voltage Battery Disconnect
- Portable or Bolt Down Models

# **SPECIFICATIONS**

#### **ELECTRICAL**

AC Input Voltage: 90-264 VAC Standard

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

# **AVAILABLE OPTIONS**

- Redudant Operation (N+1)
- Premium Batteries
- Low Voltage Battery Disconnect (LVBD) for Battery Back-Up operation
- Conformal Coating
- Additional EMI Filtering
- Power Factor Correction
- Ruggedized for Shock and Vibration
- AC Line Cord

# MECHANICAL AND ENVIRONMENTAL

Operating Temperature: 0°C to + 50°C standard

Storage Temperature: -40°C to 85°C Cooling: Internal ball bearing DC fan

Safety: Designed to meet UL 1950, CSA 1402 A

Humidity: 90% non condensing

Size: 21.66" (L) x 10.20" (W) x 6.56" (H)

Weight: Approx: 25lbs (deppending on battery type & size)



# MODEL SELECTION

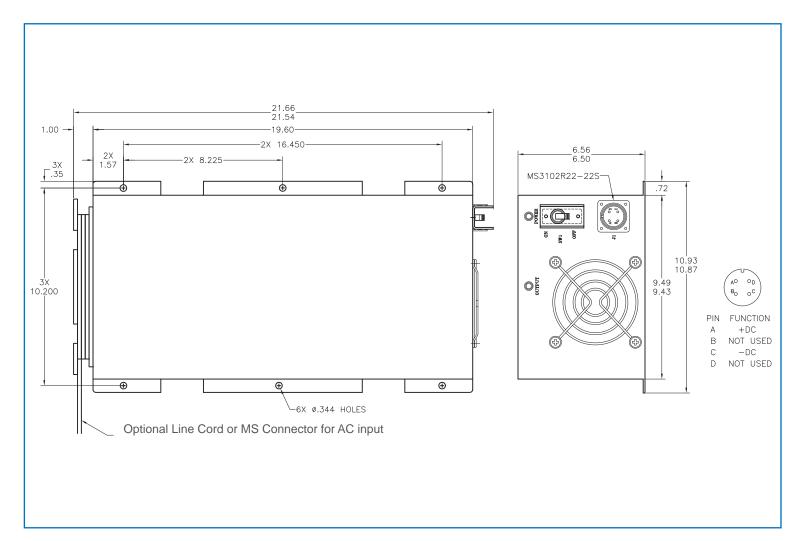
400 WATT POWER SUPPLY		600 WATT POWER SUPPLY		800 WATT POWER SUPPLY		1000 WATT POWER SUPPLY	
MODEL	OUTPUT	MODEL	OUTPUT	MODEL	OUTPUT	MODEL	OUTPUT
TCP-BX-BBU-12-33	12V	TCP-BX-BBU-12-50	12V	TCP-BX-BBU-12-66	12V	TCP-BX-BBU-24-41	24V
	(13.5V) @ 33A		(13.5V) @ 50A		(13.5V) @ 66A		(27.6V) @ 41A
TCP-BX-BBU-24-17	24V	TCP-BX-BBU-24-25	24V	TCP-BX-BBU-24-33	24V	TCP-BX-BBU-48-20	48V
	(27.6V) @ 17A		(27.6V) @ 25A		(27.6V) @ 33A		(54V) @ 20A
TCP-BX-BBU-48-8	48V	TCP-BX-BBU-48-12	48V	TCP-BX-BBU-48-16	48V		
	(54V) @ 8A		(54V) @ 12A		(54V) @ 16A		
400 WATTS BACK-UP FOR 30 MIN.		600 WATTS BACK-UP FOR 10 MIN.		800 WATTS BACK-UP FOR 5 MIN.		1000 WATTS BACK-UP FOR 3 MIN.	

NOTE: MINIMUM QUANTITY PURCHASE REQUIRED ON MOST MODELS.

OTHER VOLTAGES & CURRENTS ARE AVAILABLE CONTACT THE FACTORY FOR DETAILS.

PREMIUM BATTERIES AVAILABLE FOR HARSH ENVIRONMENT OPERATION.

# MECHANICAL OUTLINE



APPLIED POWER CONVERSION division of