

## TCP-HP-BBU SERIES SINGLE OUTPUT DC UPS BATTERY BACK-UP POWER SUPPLIES RUGGED/RACK MOUNT

### APPLICATIONS

The TCP-HP-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-HP-BBU Series is ideal for medical, industrial and communication applications.

### STANDARD FEATURES

- Compact, Light Weight
- 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 : 180-264VAC

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 75°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: 5.2"(H) x 19"(W) x 18" (L)

Weight: Approx: 50lbs (depending on battery type & size)



**NSF-ISR**

Registered  
to ISO 9001

## MODEL SELECTION

2000 WATT POWER SUPPLY		3000 WATT POWER SUPPLY	
MODEL	OUTPUT	MODEL	OUTPUT
TCP-HP-BBU-12-166	12V (13.5V) @ 166A	TCP-HP-BBU-12-250	12V (27.6V) @ 250A
TCP-HP-BBU-24-83	24V (27.6V) @ 83A	TCP-HP-BBU-24-125	24V (27.6V) @ 125A
TCP-HP-BBU-48-41	48V (54V) @ 41A	TCP-HP-BBU-48-62	48V (54V) @ 62A
2000 WATTS BACK-UP FOR 10 MIN		3000 WATTS BACK-UP FOR 5 MIN	

NOTE: SEPARATE POWER SUPPLY RACKS AND DRAWS  
ARE AVAILABLE FOR INCREASED POWER LEVELS AND BACK-UP TIMES

MINIMUM QUANTITY PURCHASE REQUIRED ON MOST MODELS.  
OTHER VOLTAGES & CURRENTS ARE AVAILABLE CONTACT THE FACTORY FOR DETAILS.  
ADDITIONAL BATTERY RUN TIMES AVAILABLE, CONTACT US FOR YOUR EXACT NEEDS.  
MAXIMUM CAPACITY 2000 WATTS & 3000 WATTS RESPECTFULLY.

## MECHANICAL OUTLINE

