

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

### APPLICATIONS

The TCP-RK-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-RK-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 : 90-264VAC  
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: 3.5"(H) x 19"(W) x 18" (L)  
Weight: Approx: 35lbs (depending on battery type & size)



**NSF-ISR**

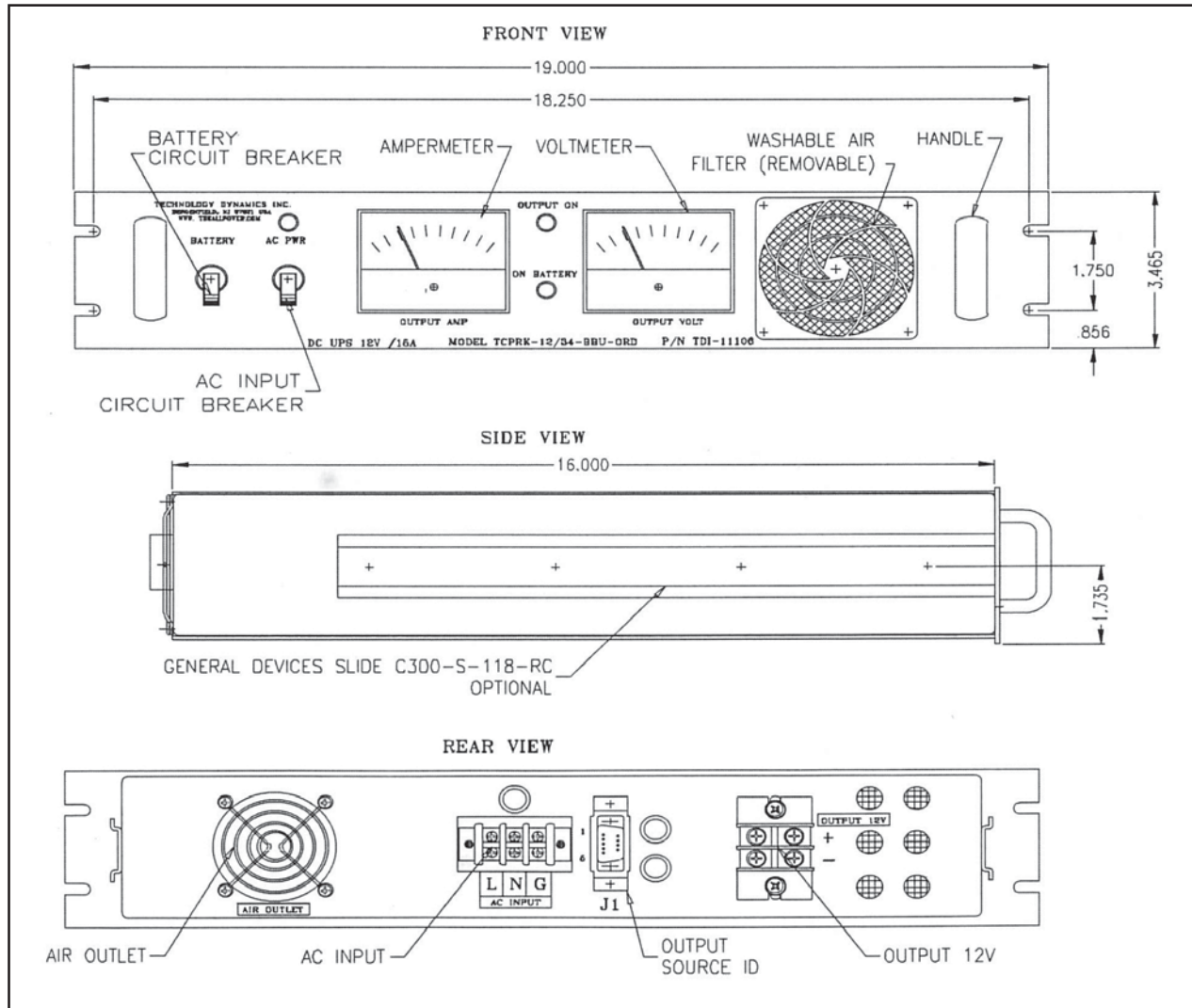
Registered  
to ISO 9001

## 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-RK-BBU-12-34	12V (13.5V) @ 34A	TCP-RK-BBU-12-50	12V (13.5V) @ 50A	TCP-RK-BBU-24-66	12V (27.6V) @ 66A		
TCP-RK-BBU-24-17	24V (27.6V) @ 17A	TCP-RK-BBU-24-25	24V (27.6V) @ 25A	TCP-RK-BBU-24-33	24V (27.6V) @ 33A	TCP-RK-BBU-24-41	24V (27.6V) @ 41A
TCP-RK-BBU-48-8	48V (54V) @ 8A	TCP-RK-BBU-48-12	48V (54V) @ 12A	TCP-RK-BBU-48-16	48V (54V) @ 16A	TCP-RK-BBU-48-20	48V (54V) @ 20A
600 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: 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.

## MECHANICAL OUTLINE



Rev. A

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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