APPLIED POWER CONVERSION
Division of
TECHNOLOGY DYNAMICS INC.

TCP-BC SERIES
700 WATT
BATTERY CHARGER
5.67" x 7.75" x 15.75"
RUGGED, COTS DESIGN

APPLICATIONS

The rugged battery charger is designed for Military use with all types of conventional lead acid batteries including up to 300AH. It may also be used as a portable power supply of 12V or 24V. Rugged construction makes this charger ideal for harsh environment applications found in MIL-STD-810 military applications.

STANDARD FEATURES

- Active PFC for EN61000-3-2,-3
- Built in DC fan for cooling
- Meter
- ON/OFF switch
- MS connectors
- Handle
- EMI filtering

AVAILABLE OPTIONS

- Terminal block (Input & Output)
- Line cord
- Ruggedized for shock and vibration
- Conformal coating

SAFETY AND EMISSIONS

- Designed to meet UL/cUL60950-1
- Designed to meet TUV EN60950-1
- Designed to meet CB Report (IEC 60950-1)
- Designed to meet CE Mark (LVD)
- Designed to meet EN55022 Class B (CISPR 22 B)

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

AC Input Voltage: single phase, three wires, 220VAC
Output Voltage: 12 or 24 VDC
Output Current: 0-30ADC
Input Frequency: 47-63Hz
Indicators: voltage, ampere hours charged
Efficiency: Higher than 85%
Protection: Reverse polarity protection, thermal overload protection, over/under voltage protection

MECHANICAL AND ENVIRONMENTAL

Operating Temperature: -20°C to +65°C per MIL-STD-810F.
Storage: -40°C to +85°C
Thermal Shock: per MIL-STD-810F
Sand and Dust: per MIL-STD-810F
Vibration: per MIL-STD-810F
Water Resistance: per MIL-STD-810F
Humidity: to 95% non condensing per MIL-STD-810F
Cooling: Long-life ball bearing fan
Weight: 20 pounds / 9Kg
Size: 5.67" x 7.75" x 15.75"

Design Excellence since 1976!

ISO 9001
File: A5269

MODEL SELECTION

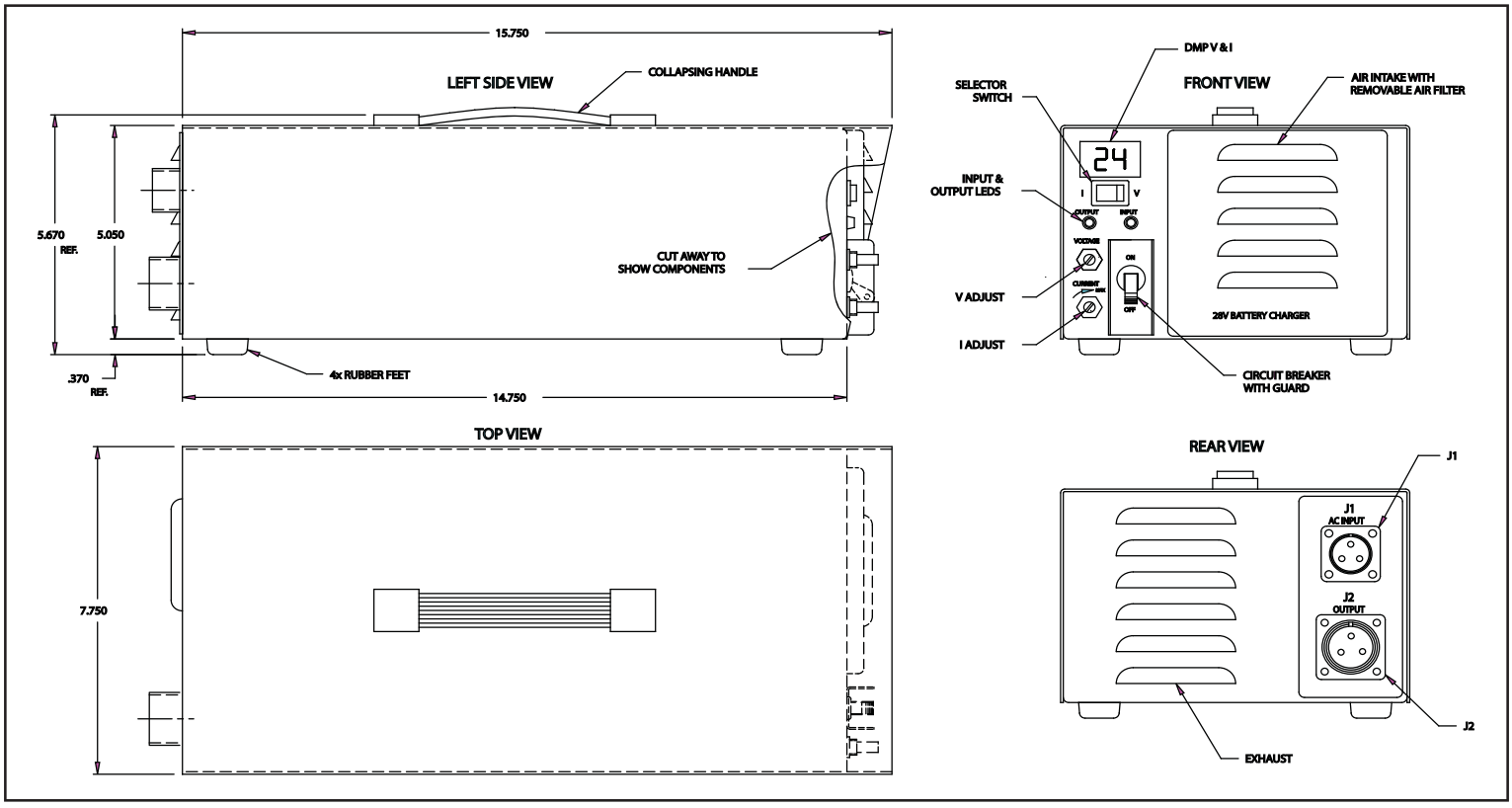
MODEL NUMBER	VOLTAGE	CURRENT
TCP-BC-12-50	12VDC	50A
TCP-BC-24-30	24VDC	30A
TCP-BC-48-14	48VDC	14A

NOTE: OTHER VOLTAGES & CURRENTS AVAILABLE. CONSULT THE FACTORY.

OPTION DESIGNATIONS

- CC	Conformal Coating
- MIL	Ruggedized/Militarized
-ILC	Line Cord For Input Connection
-TBI	Terminal Block Input

MECHANICAL OUTLINE



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