## TXSRP SERIES
### 6000 WATT SINGLE OUTPUT SWITCHING POWER SUPPLIES
5.00” x 5.00” x 17.00”
POWER FACTOR CORRECTED

### APPLICATIONS
The TXSRP series of Power Factor Corrected AC-DC power supplies provides highly regulated output power to 6000 watts. Rugged construction and superior quality make this power supply ideal for harsh environment applications. Available in standard, modified or fully custom configurations, for industrial, commercial, COTS, ruggedized and Military applications.

### STANDARD FEATURES
- Active PFC for EN61000-3-2 Class D Compliance
- Built In DC Fan for Cooling
- Current Share Function
- AC & DC Good Signals
- Remote on/off & Remote Sense Functions
- High Efficiency ZVS Technology
- 12V / 100mA Auxiliary Output

### AVAILABLE OPTIONS
- Hot Swap
- Parallel Operation
- ORing Diode for Redundant Operation
- Rack / Panel Mount
- Ruggedized for shock & vibration
- Low Voltage Battery Disconnect for Battery Back-up
- 400Hz Operation
- EMI/RFI Reduction
- 3 Phase Input

### 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 Mmark (LVD)
- Designed to meet EN55022 Class 0B (CISPR 22 B)

### SPECIFICATIONS

#### INPUT
- Input: 180-264VAC 1Ø
- Input Frequency: 47-63Hz
- Inrush Current: 60A at 230VAC (cold start)
- Input Current: 33 A / 220 VAC 1Ø
- Efficiency: 86-90% typical (depending on output model)
- Leakage Current: <3.5 mA maximum @ 240 VAC
- Harmonics: EN 61000-3-2, -3 Class D Compliant (0.99 PF Typical)

#### OUTPUT
- Adjustment Range: 23.5 - 30 VDC (24V), 47.5 - 58 VDC (48V)
- Minimum Load: none
- Regulation: Line ±0.5% Load ±1.5%
- Ripple/Noise: 300 mV (24V) 480mV (48V) Peak to Peak
- Overcurrent Protection: 100-112% of rated output power.
- Overvoltage Protection: 105-115% of V1 nominal
- Overtemperature Protection: Heatsink Temp 90°C ± 5°C Auto Recovery.
- Hold-up time: 16ms at full load (minimum)

#### ENVIRONMENTAL
- Operating Temperature: - 30°C to + 50°C. Derate to 50% at 70°C.
- Storage Temperature: -40°C to + 85°C max
- Cooling: Internal ball bearing DC fans
- Humidity: 20-90% RH non condensing
- Vibration: 10 - 500Hz, 1G 10 min / 11 mS half sinewave
- Shock: 20 G
- Weight: Approx.: 20 LBS
- Size: 5.00” x 5.00” x 17.00”
MODEL SELECTION

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>VOLTAGE</th>
<th>CURRENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDXRP-6000-24</td>
<td>24 V</td>
<td>250 A</td>
</tr>
<tr>
<td>TDXRP-6000-28</td>
<td>28 V</td>
<td>214 A</td>
</tr>
<tr>
<td>TDXRP-6000-48</td>
<td>48 V</td>
<td>125 A</td>
</tr>
</tbody>
</table>

OPTIONAL DESIGNATIONS

- **HSP** Hot Swap  
- **ORD** Redundant Operation  
- **PAR** Parallel Operation  
- **RK** Rack Mount  
- **3P** 3 Phase Input  
- **MIL** Ruggedized/Militarized  
- **PNL** Panel Mount  
- **LVBD** Battery Back-up  
- **EMI** EMI/RFI Reduction  
- **400** 400 Hz Operation

MECHANICAL OUTLINE

NOTES:
1. All dimensions are in inches.
2. All undimensioned pictorial configurations are for reference only.
3. Front and rear marking for reference only.