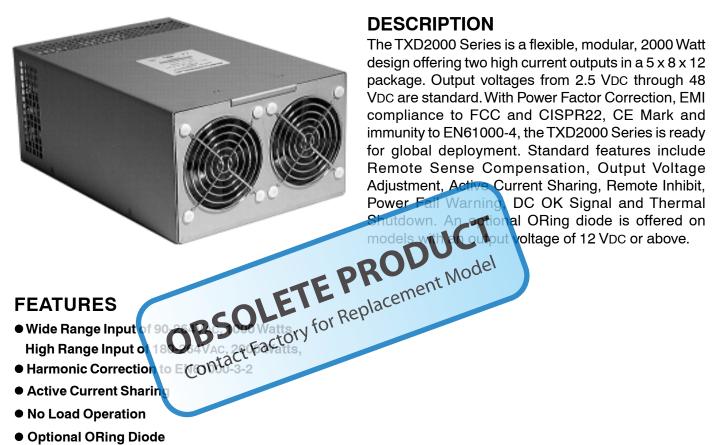


Product Data Sheet

2000 WATT AC/DC Power Supply

TXD2000



DESCRIPTION

The TXD2000 Series is a flexible, modular, 2000 Watt design offering two high current outputs in a 5 x 8 x 12 package. Output voltages from 2.5 VDC through 48 VDC are standard. With Power Factor Correction, EMI compliance to FCC and CISPR22, CE Mark and immunity to EN61000-4, the TXD2000 Series is ready for global deployment. Standard features include

- Optional ORing Diode
- 70-80% Efficiencies
- FCC / CISPR 22 Class A EMI Filtering
- Self-Cooled 5"x 8"x 12" Chassis
- EN61000-4 Immunity



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Input Specifications

Parameters	Conditions	Min	Тур	Max	Units
Operating Range					
1000W	47-63Hz	90		264	Vac
2000W	47-63Hz	180		264	VAC
Inrush Current	120Vac, 25°C, cold start			80	Apk
	240Vac, 25°C, cold start			160	Apk
Efficiency	Nominal line, full load	70	75	80	%
Holdup	Full load	20			msec
Power Factor (1)	Full load		0.99		

Notes: (1) Harmonic currents meet EN61000-3-2

Output Voltage Modules and Maximum Rated Load

Output Voltage Code	Output Voltage Voltage	Output Current (Maximum Continuous)	Output Power (Maximum Continuous)
Α	5.0	200A	1000W
В	12.0	83A	1000W
С	15.0	67A	1000W
D	18.0	55A	1000W
E	24.0	42A	1000W
F	28.0	36A	1000₩
G	36.0	28A	1000W
Н	48.0	21A	1000W
J	20.0	40A	200 M
K	3.3	182A	eod NVOge,
L	2.5	200A	RO SOLVModel

L 2.5	200A	12ceme	3 00VV		
Output Specificati	Conditions All environmental and line conditions	jas			
Parameter	ondicons	Min	Тур	Max	Units
Output Power	All environmental and line conditions				
90-264VAC				1000	Watts
180-264VAC	Limited by output module selection			2000	Watts
Voltage Adjustment Range	Relative to nominal output voltage		<u>+</u> 5		%
Output Regulation	Line, load or cross			<u>+</u> 0.2	%
Minimum Load		0			Amps
PARD	Measured at output terminals, 20MHz			50 mv or 1%	pk-pk
Temperature Coefficient	0° to 50°C		<u>+</u> 0.2		%/°C

Environmental Specifications

Parameter	Conditions	Min	Тур	Max	Units
Ambient Temperature (Operating)	Output de-rated linearly to 50% of rated capacity between 50°C and 70°C	0		+70	°C
Ambient Temperature	Non-operating	-50		+85	٥C
Altitude (Operating)		-200		+10,000	Feet
Altitude (Non-operating)		-200		+50,000	Feet
Shock	Per MIL-STD-810D, Method 516.3, Procedure II, in each axis, including NTSA drop test				
Vibration	Per MIL-STD-810D, Method 514.3, Procedure II, in each axis, including NTSA drop test				
Cooling	The TXD2000 is provided with internal cooling fans.				

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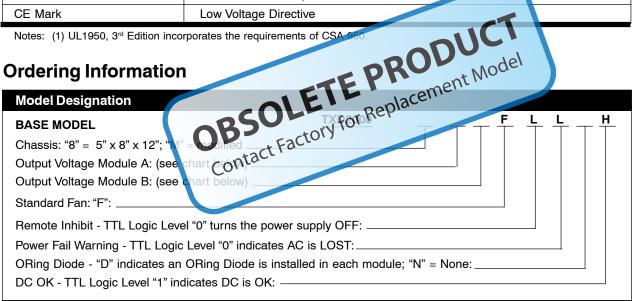
Product Features

Features	Characteristic
Remote Sense	500mV compensation
Active Current Sharing	Single Wire; 5% current share if outputs are over 25% of rated load
ORing Diode	Optional (not available on modules below 12V)
OVP	125% of nominal (±7.5%)
Thermal Shutdown	Automatic Restart
DC OK Signal	Logic "1" when output is within ±3% of nominal
Power Fail Warning	Transition to Logic "0" at least 5msec before loss of output regulation
Remote Inhibit	Logic "0" applied will inhibit output (referenced to -Sense terminal)

Product Compliances

Approval	Characteristic	
UL and cUL	UL1950, 3 rd Edition ⁽¹⁾	
VDE	EN60950	
FCC	Class A requirements for conducted emissions	
CISPR 22	Class A requirements for conducted emissions	
EN61000-4-2	Electrostatic Discharge, Level 4	
EN61000-4-4	Electrical Fast Transients, Level 3	
EN61000-4-5	Input Surge Immunity, Level 3	
EN61000-3-2	Harmonic Currents, Class A	
CE Mark	Low Voltage Directive	

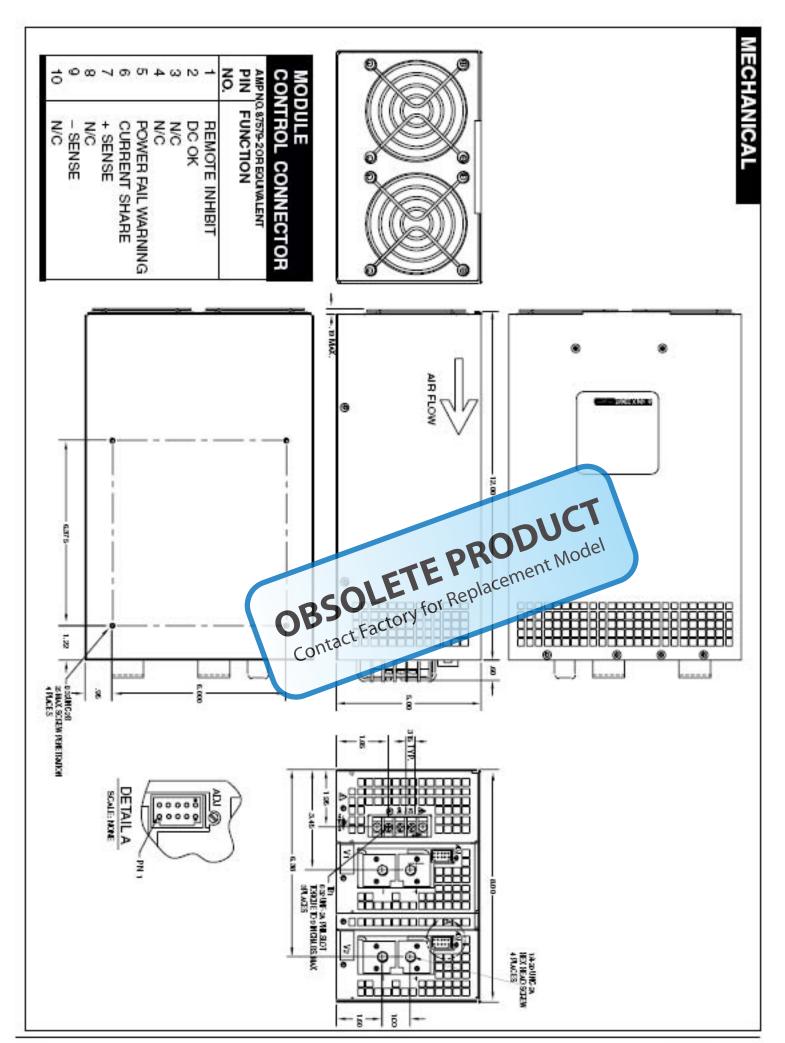
Ordering Information



OUTPUT VOLTAGES				
A = 5V	G = 36V			
B = 12V	H = 48V			
C = 15V	J = 20V			
D = 18V	K = 3.3V			
E = 24V	L = 2.5V			
F = 28V				

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