

NTDR-HS SERIES
6KW-11KW
300VDC SWITCHING POWER SUPPLY
HOT SWAP, RACK MOUNT, RUGGEDIZED
5.25" x 19" x 17.75"

APPLICATIONS

The NTDR-HS Series of Bulk Power Ruggedized AC-DC Hot Swap Power Supply provides a highly regulated 300Volts up to 11KW of output power. Rugged Construction and Superior Quality makes this unit ideal for Harsh Environment, Rugged High Power applications. Available in Standard, Modified and Full Custom configurations for COTS and Military applications.

STANDARD FEATURES

- High efficiency
- Rugged Construction
- Hot Swap Modules
- OV, OL, OT Protection
- DC Good Signals
- Diodes for Redundancy/Parallel Operation
- Remote ON/OFF & Remote Sense Functions
- $\pm 10\%$ Voltage Adjust

AVAILABLE OPTIONS

- Remote Enable
- MS Connectors
- 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 CE Mark (LVD)
- Designed to meet EN55022 Class B (CISPR 22B)



SPECIFICATIONS

INPUT SPECIFICATIONS:

Input Voltage: 120/208VAC 3 Phase
Input Frequency: 47-63Hz (400 Hz Optional)
Efficiency: $\sim 90\%$ Typical (Depending on Output Model)
Hold Up Time: 20ms at Full Load (Minimum)
Hold Up Time: 20ms Min.
Leakage Current: 3.5mA maximum @ 120/208VAC

OUTPUT SPECIFICATIONS:

Adjustment Rate: $\pm 10\%$ (Minimum)
Minimum Load: None
Regulation: Line $\pm .5\%$; Load $\pm 2\%$
Ripple/Noise: 1% Peak to Peak Maximum (20 MHz)
Set Point Accuracy: $\pm 1\%$ (Except 5V = $\pm 2\%$) (Maximum)
Output Voltage Adj.: $\pm 10\%$ Minimum (Internal)
Overcurrent Protection: 105-125% Automatic Recover Constant Current
Oversvoltage Protection: 105-140% Of Nominal Output Voltage
Overtemperature Protection Heatsink Temp.: $90^{\circ}\text{C} \pm 5^{\circ}\text{C}$ Auto Recovery

MECHANICAL & ENVIRONMENTAL

Operational Temperature: -20°C to $+50^{\circ}\text{C}$. Derate to 50%
Storage Temperature: -40°C to $+85^{\circ}\text{C}$ Max.
Cooling: Internal Ball Bearing AC Fan
Humidity: 20-90% RH Non Condensing
Weight: ~ 35 lbs.
Size: 5.25" x 19" x 17.75"

MODEL SELECTION

	6000 WATT OUTPUT 3000 W Modules		8000 WATT OUTPUT 4000 W Modules		10000 WATT OUTPUT 5000 W Modules		11500 WATT OUTPUT 5500 W Modules	
NOMINAL VALUE (VDC)	MAXIMUM CURRENT (ADC)	MODEL	MAXIMUM CURRENT (ADC)	MODEL	MAXIMUM CURRENT (ADC)	MODEL	MAXIMUM CURRENT (ADC)	MODEL
300V	20A	NTDR-HS-300-20	26A	NTDR-HS-300-26	32A	NTDR-HS-300-32	38A	NTDR-HS-300-38

Note: Other Voltages and Currents Available, Contact the Factory.

OPTION DESIGNATIONS

-MSC	MS Connectors
-RE	Remote Enable
-CC	Conformal Coating
-MIL	Ruggedized for Shock/Vibration

Note: Other Options Available, Contact the Factory.

MECHANICAL OUTLINE

