

**NNTDM SERIES**  
**Single Output**  
**SWITCHING POWER SUPPLIES**  
2KW, 2.5KW & 3KW 5.4" x 5" x 12.5"  
WITH PFC OPTION

**APPLICATIONS**

The NNTDM family of power supplies was designed to satisfy a market for low cost, high power applications. The NNTDM is specially suitable for critical systems, redundant (N+1) or battery backup uninterruptible operation. This versatile design is loaded with options, making it particularly suitable for today's demanding applications.

**STANDARD FEATURES**

- Compact, light weight.
- ZVS soft switching.
- Forced current sharing.
- MTBF > 100,000 hours.
- Led indicator:
  - Input power good
  - Output power good.
- OV/OL/OT protected.
- Remote inhibit.
- $\pm 5\%$  output adjustment.
- Terminal block input.
- Low EMI noise.
- Designed to meet FCC Docket 20780 Level A and VDE 0871/678 Level A UL 1950, CSA, 22.2 No. 950/IEC950 pending.

**AVAILABLE OPTIONS**

- Power Factor Correction.
- Redundant Operation (N+1).
- Hot Pluggable in a 3U rack enclosure.
- Ruggedized for Severe Environment.
- Wide temp. operation (-30°C to 70°C).
- Low Voltage Battery Disconnect (LVBD) for battery back-up operation.
- 400Hz input.
- 3 phase input 120/208 50/60/400Hz



**SPECIFICATIONS**

**Electrical:**

**Input:** 180-264 VAC, 47-63 Hz.

**Regulation:** Line  $\pm .3\%$   
Load  $\pm 2\%$

**Ripple:** 1% peak to peak, not exceed 200mVPP

**Efficiency:** 90% typical

**Hold up time:** 20 ms min.

**Protections:** OV,OL,OT

**Mechanical & Environmental:**

**Operating Temperature:** 0°C to + 50°C  
-30°C to + 70°C  
(optional with derating)

**Storage Temperature:** -30°C to +85°C

**Cooling:** Internal ball bearing fan

**Weight:** 6.6 lbs. (3.0kg) max

**Size:** 5.4"(H) x 5" (W) x 12.5" (L) - 2KW Unit  
5.4"(H) x 5" (W) x 15.0" (L) - 2.5KW Unit  
5.4"(H) x 5" (W) x 15.0" (L) - 3KW Unit

*Over 30 Years of Design Excellence!*