



America

CERTIFICATE

No. U8V 16 03 40762 061

Holder of Certificate: **Northwest Power, Inc.**
4211 SE International Way, Suite F
Milwaukie OR 97222
USA

Production Facility(ies): 40762

Certification Mark:



Product: Switching power supply unit
DC-DC Switching Power Supply

Model(s): MD-aa-Xbbcc
(DC MegaPAC series)
(see certificate attachment for additional models
and rating information.)

Parameters:

Rated Input Voltage:	48 V DC
Rated Output Voltage:	2-95 V DC
Rated Input Current:	100 A max
Rated Output Power:	1600 W

Tested according to: CAN/CSA C22.2 No. 60950-1:2007
UL 60950-1:2007
EN 60950-1:2006/A12:2011

The product was voluntarily tested according to the relevant safety requirements noted above. It can be marked with the certification mark above. The mark must not be altered in anyway. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC Guide 67. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited certification body.

Test report no.: 090-304201-000

Date, 2016-03-04

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Model: MD-aa-Xbbcc
DC MegaPAC series Family Tree

aa = Number of outputs
0-16

X = Input Voltage Vdc (nominal / range)

Nominal	Range	Nominal	Range
0 = 12	10-20	3 = 48	42-60
1 = 24	21-32	N = 48	36-76
W = 24	18-36	4 = 72	55-100
2 = 28	18-50		

bb Number of modules
0-16

cc Factory assigned code (Non-safety related)

M = Standard ModuPAC (1 module)
D = DualPAC (2 modules)
R = RamPAC (2 modules)
T = TachoPAC (1 module)
B = BatPAC (1 module)

Available product grade

E = Economy 0C to 85C I = Industrial -40C to 85C
C = Commercial -20C to 85C M = Military -55C to 85C

Available Output Voltage (Vdc) Nominal

Z = 2.0	V = 5.8	P = 13.8	J = 36.0
Y = 3.3	T = 6.5	2 = 15.0	K = 40.0
0 = 5.0	R = 7.5	N = 18.5	4 = 48.0
X = 5.2	M = 10.0	3 = 24.0	
W = 5.5	1 = 12.0	L = 28.0	

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License Conditions:

1. Protection against electric shock and hazardous energy levels must be provided in the final enclosure.
2. The unit must be properly grounded with the appropriate rated ground wire prior to applying voltage.
3. The unit requires a European approved, 2 pole disconnected device in the input wiring.
4. The unit is to be mounted per the manufactures mounting instructions.
5. The unit is to be mounted in a final enclosure that must fulfill all the fire enclosure requirements of this standard.
6. The unit requires a 50A fuse in the primary circuitry.
7. Outputs less than 60Vdc meet SELV requirements, Outputs above 60Vdc are non-SELV.

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