

N2Power XR125 RE AC-DC Series

Ultrasmall, High Efficiency Power Supplies

MODEL	PART NUMBER	OUTPUT	VOLTAGE	REGULATION (%)	MAXIMUM CURRENT (A)	RIPPLE & NOISE (P-P)
XR125-03 RE XR125-03 CS RE	400168-03-5 400168-04-3	V1	3.3	±3	32.0	30 mV
		V2	12	±5	1.0	120 mV
		V3	5sb	±5	1.0	50 mV
XR125-05 RE XR125-05 CS RE	400165-03-1 400165-04-9	V1	5	±3	25.0	50 mV
		V2	12	±5	1.0	120 mV
		V3	5sb	±5	1.0	50 mV
XR125-07 CS RE	400166-02-1	V1	7	±3	17.9	70 mV
		V2	12	±5	1.0	120 mV
		V3	5sb	±5	1.0	50 mV
XR125-08 CS RE	400167-02-9	V1	8	±3	15.6	80 mV
		V2	12	±5	1.0	120 mV
		V3	5sb	±5	1.0	50 mV
XR125-12 RE XR125-12 CS RE	400155-03-2 400155-04-0	V1	12	±3	10.5	120 mV
		V2	12	±5	1.0	120 mV
		V3	5sb	±5	1.0	50 mV
XR125-15 RE XR125-15 CS RE	400156-03-0 400156-04-8	V1	15	±3	8.3	150 mV
		V2	12	±5	1.0	120 mV
		V3	5sb	±5	1.0	50 mV
XR125-19 CS RE	400157-02-0	V1	19	±3	6.6	190 mV
		V2	12	±5	1.0	120 mV
		V3	5sb	±5	1.0	50 mV
XR125-24 RE XR125-24 CS RE	400158-03-6 400158-04-4	V1	24	±3	5.2	240 mV
		V2	12	±5	1.0	120 mV
		V3	5sb	±5	1.0	50 mV
XR125-28 RE XR125-28 CS RE	400159-03-6 400159-04-2	V1	28	±3	4.5	280 mV
		V2	12	±5	1.0	120 mV
		V3	5sb	±5	1.0	50 mV
XR125-30 RE XR125-30 CS RE	400160-03-2 400160-04-0	V1	30	±3	4.2	300 mV
		V2	12	±5	1.0	120 mV
		V3	5sb	±5	1.0	50 mV
XR125-48 RE XR125-48 CS RE	400161-03-0 400161-04-8	V1	48	±3	2.6	480 mV
		V2	12	±5	1.0	120 mV
		V3	5sb	±5	1.0	50 mV
XR125-51 CS RE	400162-02-0	V1	51	±3	2.5	510 mV
		V2	12	±5	1.0	120 mV
		V3	5sb	±5	1.0	50 mV
XR125-54 RE XR125-54 CS RE	400163-03-6 400163-04-4	V1	54	±3	2.3	540 mV
		V2	12	±5	1.0	120 mV
		V3	5sb	±5	1.0	50 mV
XR125-56 RE XR125-56 CS RE	400164-03-4 400164-04-2	V1	56	±3	2.2	560 mV
		V2	12	±5	1.0	120 mV
		V3	5sb	±5	1.0	50 mV

INPUT SPECIFICATIONS	
Nominal Input Voltage:	100 – 240 VAC
Maximum AC Input:	90 – 264 VAC
Input Frequency Range:	47 – 63 Hz
Input Current:	1.8 A @ 100 VAC
Input Protection:	3.15 A fuse
Safety Isolation:	3000 VAC input to output 1500 VAC input to ground
Inrush Current:	33 A @ 115 VAC
Leakage Current:	.750 mA
Power Factor Correction:	Active PFC circuitry, meets or exceeds EN61000-3-2
OUTPUT SPECIFICATIONS	
Total Power:	125W
Hold-up Time:	Minimum 28 mS at all input voltages
Efficiency:	Up to 91% †
Minimum Load:	No load †
Over / Under Shoot:	Maximum 10% at turn-on
5V STBY (ATX Models)	5V / 1A
PROTECTION	
Overvoltage Protection:	On all main outputs
Overpower Protection:	Protected / Auto-recovery
Short Circuit Protection:	All outputs protected against short circuit
Thermal Shutdown:	Protected against over-temperature conditions
OPERATING SPECIFICATIONS	
Operating Temperature:	-25°C to +70°C
Temperature Derating:	2.5% / degree C to 70°C
Storage Temperature:	-40°C to +85°C
Forced Air Cooling:	10 CFM † Δ
Convection Cooling:	See product specification
MTBF:	> 600,000 hours @ 25°C *
SIGNALS	
Remote Sense:	On main output † Δ
Current Sharing (Optional):	Active current sharing with OR-ing diode or MOSFETs † Δ
Power Good:	Provided
PS_OK:	Output †
LED (PG):	All models †
Remote Enable	All models †

Note: If you can't find your preferred output voltage listed on the table above, please contact a sales representative. We can easily modify standard PSUs to meet client-specific voltage requirements.

CS = Current Sharing, plus an OR-ing diode/MOSFET on V1 output.
 RE = Remote Enable, turns V1 / V2 outputs on/off.
 sb = standby voltage

Compliance (See Product Spec for additional information):

USA / Canada

Safety: UL 60950-1:2007 (2nd Edition) / C22.2 No. 60950-1-07
 UL 62368-1 (Second Edition)
 Safety of Information Technology Equipment
EMC: FCC part 15, subpart B

Europe

2006/95/EC - "Low Voltage (Safety) Directive"
 Demko: EN 60950-1:2006 (2nd Edition) +A1:2010
 +A11:2009 +A12:2011 +A2:2013
 EN 62368-1:2014 / A11:2017
 2004/108/EC "Electromagnetic Compatibility (EMC) Directive" EN 61204-3 Class B

International

IEC 60950-1:2005 (2nd Edition)+ Am1:2009 + Am2:2013
 IEC 62368-1:2014
 Safety of Information Technology Equipment
 IEC 61204-3 Class B

Contact us regarding custom and modified standard supplies for unique applications.
 For complete specifications on all models, please visit our website at N2Power.com



Call 805.583.7744

All information and specifications are based on our knowledge of the products at the time of printing.
 N2Power reserves the right to change specifications without notice.

