NEVO+600SL LOW NOISE INDUSTRIAL DATA SHEET

AC/DC Modular Configurable PSU





600 Watts in the palm of your hand

Our innovative NEVO+600SL modular configurable power supply is the smallest in its class and the ultimate power solution for demanding industrial applications where size, power density and weight are vital factors. Weighing only 600 grams, the compact package of 5" x 3" x 1.61" delivers up to 450 Watts with a minimum of audible noise. Standard features include intelligent fan control providing optimised airflow for various load and temperature conditions, wide output voltage adjust, parallel and series connection of modules and an isolated 5V 1A bias supply. The low noise fan allows you to use this innovative power supply in even the quietest of environments.

MAIN FEATURES

- 450 Watts in 5" x 3" x 1.61"
- Low noise operation (~18dBA reduction from S version)
- Intelligent fan control
- Efficiency up to 89%

- Up to 8 isolated outputs User and field configurable
- Parallel and series connection of modules
- Wide output voltage adjust range
- Remote current / voltage programming
- Constant current or voltage operation
- Standard 5V 1A bias supply
- IEC60950 Ed. 2 & IEC62368-1 Ed. 2
- 3 Year warranty

APPLICATIONS

- Laboratory & Analysis equipment
 - Display
 - Avionics

- LED lighting
- Retrofit of legacy PSUs

Technology consolidation

Supplier consolidation

- Lasers

• Oil & Gas Telecommunications

Robotics

OMER BENEFITS

Test & Measurement equipment

- Fast time to market
- 24 hrs samples from distribution
- Safety & EMC certified
- World class engineering support
- Proven technology Eliminates custom design costs Field replaceable

Low cost of ownership

- Page 1 of 5

SPECIFICATIONS



INPUT MODULE SPECIFICATIONS

Parameter	Details	Min	Typical	Max	Units
AC Input Voltage	Nominal range is 100V _{RMS} to 240V _{RMS}	85		264	V _{RMS}
AC Input Frequency	Contact factory for 400Hz operation.	47	50/60	63	Hz
DC Input Voltage	Not covered by safety approvals. Contact Vox Power.	120		370	V _{DC}
Output Power Rating	De-rate linearly from 450Watts at $120V_{\text{RMS}}$ to 338Watts at $85V_{\text{RMS}}$			450	Watts
Input Current	450Watts output at 120 V _{RMS} input			5	Amps
Input Current Limit	Maintains power factor		8		Amps
Inrush Current	265V _{RMS} , 25°C (cold start)			20	Amps
Fusing	Live line fused (5x20 Fast acting)			8	Amps
Efficiency	See graphs		86	89	%
No load Power consumption	All outputs fitted and disabled/enabled		21/28		Watts
Power Factor	Typical value for 300 Watts output at 240Vrms input		0.96	0.99	
Holdup	450Watts output at 120V _{RMS} input	17	20	21	mS
UVP	Turn on under voltage protection	78		84	V _{RMS}
Over temperature	Internally monitored.	115		125	°C
Reliability (1)	Input module			1.207	FPMH
	Fan			2.7	FPMH
Warranty	Standard terms and conditions apply			3	Years
Size	133.7 (L) x 77.7 (W) x 41.0 (H). See diagram for tolerance details				mm
Weight	360 + 60 per output module				Grams
Note 1.	30°C base & ambient, 100% load, SR332 Issue 2 Method I, Case 3, Ground, Fixed,	Controlled			

	GLOBAL SIGNALS SPECIFICATIONS						
Parameter	Details	Min	Typical	Max	Units		
Bias Voltage	Two isolated Bias Outputs available	4.8	5	5.2	Volts		
Bias Current	Hiccup type current limit	0		1	Amps		
AC_OK Voltage	Low output level High output level	0 3.5	0.2 4.5	1 5.2	Volts		
AC_OK Current		-10		20	mA		
Power Good Voltage	Low output level. internal 10kΩ pull down. High output level. PNP open collector.	0 8	0 10	0 15	Volts		
Power Good Current	Open collector output. Current source only. All Slots.			20	mA		
Global Inhibit Voltage	Low input level High input level	0 3		1 15	Volts		
Global Inhibit Current	5k input impedance.	0.6		3	mA		
Inhibit Voltage	Low input level. All slots. High input level. All slots.	0 2.5		1 15	Volts		
Inhibit Current	10k input impedance. All slots.	0.25		1.5	mA		

OUTPUT MODULE SPECIFICATION SUMMARY												
MODEL	Out	put Volta	age	Output	Rated	Peak	Load	Line	Cross	Ripple &	FPMH ⁽¹⁾	Feature
MODLL	Min.	Nom.	Max.	Current	Power	Power	Reg.	Reg.	Reg.	Noise		Set (2)
OP1	1.5V	5V	7.5V	25A	125W	187.5W	±50mV	±5mV	±10mV	50mV _{PP}	0.5	ABCDEFG
OP2	4.5V	12V	15V	15A	150W	225W	±100mV	±12mV	±24mV	120mV _{PP}	0.5	ABCDEFG
OP3	9V	24V	30V	7.5A	150W	225W	±150mV	±24mV	±48mV	240mV _{PP}	0.5	ABCDEFG
OP4	18V	48V	58V	3.75A	150W	217.5W	±300mV	±48mV	±96mV	480mV _{PP}	0.5	ABCDEFG
OP5	3.3V	12V	15V	5A	2x 75W	2x 75W	±50mV	±12mV	±24mV	240mV _{PP}	0.75	AFG
OP8	23.2V	24V	24.7V	3.125A	2x 75W	2x 75W	±100mV	±24mV	±48mV	480mV _{PP}	0.75	AFG
OPA2 ⁽³⁾	4.5V	12V	15V	25A	300W	375W	±100mV	±12mV	±24mV	120mV _{PP}	0.5	ABCDEFGH
OPA3(3)	9V	24V	30V	15A	300W	450W	±150mV	±24mV	±48mV	$240 mV_{PP}$	0.5	ABCDEFGH
Note 1.	Output r	nodule, 30°	°C base, 10	0% load, SR332	issue 2 Metho	d I, Case 3, Gro	und, Fixed, Co	ontrolled				

 Note 1.
 Output module, 30°C base, 100% load, SR332 issue 2 Method I, Case 3, Ground, Fixed, Controlled

 Note 2.
 A = Remote Sense, B = External Voltage control, C = External constant current control, D = Current output signal, E = Current share, F = Over Voltage protection, G = Over temperature protection, H = Dual Slot module

Note 3. Can only be used with NEVO+600 chassis with date codes from 2048 onwards. eg. 2048C080000 can use A2 or A3 module, 2047C089999 cannot use A2 or A3 module.

	SAFETY SPECIFICATIONS		
Parameter	Details	Max	Units
	Input to Output (2 MOPP). Do not perform test on assembled unit ⁽¹⁾	4000	V _{AC}
	Input to Chassis (1 MOPP)	1500	V _{AC}
Isolation Voltages	Global signals (J2) to Output/Chassis	250	V _{DC}
	Output to Output/Chassis (Standard modules)	250	V _{DC}
Earth Leakage Current	Normal condition, 264Vac, 63Hz, 25°C	1500	uA
Touch Leakage Current	Standard modules NC/SFC	20/200	uA
Patient Leakage Current	Standard modules 264Vac, 63Hz, 25°C NC/SFC ⁽²⁾		uA
Note 1. Testing an assembled unit	to 4000V _{AC} may cause damage. Please refer to application note (APN-002) on Vox Power website or contact Vo	x Power repres	sentative.
Note 2. Not Applicable			

INSTALLATION SPECIFICATIONS								
Parameter Details Parameter Details								
Equipment class		Flammability Rating	94V-2					
Overvoltage category	II	Ingress protection rating	IP10					
Material Group	IIIb (indoor use only)	ROHS compliance	2011/65/EU & 2015/863/EU					
Pollution degree	2	Intended usage environment	Industrial Equipment					

Page 2 of 5



ENVIRO	NMENTAL	SPECIEIC	ATIONS

Parameter				N						
	Details	Non-Op	erational	ational	Units					
arameter	Details						Max	Office		
Air Temperature	Operational limits subject t	to appropria	ate de-ratings	-40	+85	-20	70	°C		
lumidity	Relative, non-condensing			5	95	5	95	%		
Altitude				-200	5000	-200	5000 ⁽¹⁾	m		
Air Pressure				52	106	52	106	kPa		
loise Level	Variable. Measured 1m from			-	-	18	42	dBA		
Shock	3000 bumps at 10G (16ms)									
/ibration			imin in 3 axes random vibration							
lotes: 1.	Additional power derating ma	,	sary at high altitudes to ensure compo TROMAGNETIC COMPLIAN	· · ·		specification		_		
		ELEC								
Phenomenon	a ala atria fiala		Basic EMC Standard		Details					
Radiated emissions			EN55011/22, FCC		B compliant					
Conducted emissio Harmonic Distortio			EN55011/22, FCC part 15, CISPR 22/1 IEC61000-3-2		B compliant oliant					
Flicker & Fluctuatio			IEC61000-3-3	Com						
		EL EC				_	_	_		
Phenomenon			Basic EMC Standard	Test Details						
Electrostatic discha	5		IEC61000-4-2	Test level 4: 15kV	,					
Radiated RF EM fiel			IEC61000-4-3	Test Level 3: (10V)	m, 80MHz-2.7	GHZ) sine wa	vave AM 80% 1kHz			
Proximity fields froi equipment	m RF wireless communication	15	IEC61000-4-3	Test levels as per	IEC60601-1-2:	2014 Table 9				
Electrical Fast Trans	signts/hursts		IEC61000-4-4	Test Level 3. (2k)/	Power 11/1/10)) $5kH_7(ad3)$	kHz(ed3) & 100kHz(ed4)			
Surges	sients/buists		IEC61000-4-5	Test Level 3: 1kV I) JKI IZ(EUJ) (x 100ki i2(eu+)			
0	ances induced by RF fields		IEC61000-4-6		,	sine wave AM	wave AM 80% 1kHz			
Power Frequency N			IEC61000-4-8	Test level 4: 30A/r		Since marce / a				
				0% 10ms, 0% 20n		6 10s, 90% co	ntinuous (Crit	erion A)		
/oltage Dips			IEC61000-4-11& SEMI-F47-0706 ⁽²⁾	70% 0.5s, 40% 0.2	s (Criterion A a	at 240V and C	riterion B at 10)0V)		
/oltage interruptio	ns		IEC61000-4-11	0% 250/300 cycle	as per IEC606	01-1-2.2014 (Critorion P)			
				0/0 230/300 Cyclc	as per 120000	01 1 2.2014 (chitehon b)			
Notes:			formance or loss of function.				-			
Notes: 1	Criterion B = Temporary	[,] degradatio	formance or loss of function. n of performance or loss of function is	allowed, provided	the function is		-			
	Criterion B = Temporary Criterion C = Temporary	v degradatio v loss of func	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator	allowed, provided intervention to reco	the function is		-			
	Criterion B = Temporary Criterion C = Temporary	v degradatio v loss of func	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where ap	allowed, provided intervention to reco propriate.	the function is		-			
2	Criterion B = Temporary Criterion C = Temporary	v degradatio v loss of func e (100V to 24	formance or loss of function. n of performance or loss of function is ction is allowed but requires operator 40V). Line deratings applied where ap AGENCY APPROV/	allowed, provided intervention to reco propriate.	the function is		ble.	_		
2 Standard	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range	degradatio loss of func (100V to 24 Details	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where ap AGENCY APPROV/	allowed, provided intervention to reco propriate.	the function is	self-recovera	-			
2 Standard EC 60950-1:2005+/	Criterion B = Temporary Criterion C = Temporary	degradatio loss of func (100V to 24 Details 2nd Edit	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where ap AGENCY APPROV/ 5 tion. Information Technology Equipme	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: 1	the function is ver. General Requi	self-recovera	ble. File			
2 Standard EC 60950-1:2005+/ JL 60950-1:2007	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013	degradatio loss of func (100V to 24 Details 2nd Edit	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where ap AGENCY APPROV/	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: 1	the function is ver. General Requi	self-recovera	ble.	6486		
2 Standard EC 60950-1:2005+/ JL 60950-1:2007 CAN/CSA - C22.2 No	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013 Io. 60950-1-07	degradatio loss of func e (100V to 24 Details 2nd Edit 2nd Edit	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where ap AGENCY APPROV/ 5 tion. Information Technology Equipme	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1:	General Requi	self-recovera rements rements	ble. File	6486		
2 Standard EC 60950-1:2005+/ JL 60950-1:2007 CAN/CSA - C22.2 N R2012):2007+AMD	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013	degradatio v loss of funce e (100V to 24 Details 2nd Edit 2nd Edit 2nd Edit 2nd Edit	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where ap AGENCY APPROV/ 5 tion. Information Technology Equipmention. Information Technology Equipmention. Information Technology Equipmention.	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1: ent - Safety - Part 1:	the function is ver. General Requin General Requin	self-recovera rements rements rements	ble. File	6486		
2 Standard EC 60950-1:2005+/ JL 60950-1:2007 CAN/CSA - C22.2 N R2012):2007+AMD	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013 Io. 60950-1-07	Details 2nd Edit 2nd Edit 2nd Edit 2nd Edit 2nd Edit 2nd Edit 2nd Edit Safety re	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where app AGENCY APPROV/ 5 tion. Information Technology Equipmention. Information Technology Equipmention. Information Technology Equipmention. Additionation Technology Equipmention. Additionatio	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1: ent - Safety - Part 1: munication techno	the function is ver. General Requi General Requi General Requi	self-recovera rements rements rements rements rements	ble. File UL: E310			
2 Standard EC 60950-1:2005+/ JL 60950-1:2007 CAN/CSA - C22.2 No (R2012):2007+AMD EC 62368-1:2014	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013 Io. 60950-1-07	Details 2nd Edit 2nd Edit 2nd Edit 2nd Edit 2nd Edit 2nd Edit Safety re 2nd Edit	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where applied AGENCY APPROV/ stion. Information Technology Equipment tion. Information Technology Equipment tion. Audio/video, information and cor aquirements tion. Audio/video, information and cor aquirements	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1: ent - Safety - Part 1: munication techno	the function is ver. General Requi General Requi General Requi	self-recovera rements rements rements rements rements	ble. File			
2 Standard EC 60950-1:2005+/ JL 60950-1:2007 CAN/CSA - C22.2 Nr R2012):2007+AMD EC 62368-1:2014 JL 62368-1:2014	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013 Io. 60950-1-07 D1:2011+AMD2:2014	v degradatio v loss of func e (100V to 24 Details 2nd Edit 2nd Edit Safety re 2nd Edit Safety re	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where applied AGENCY APPROV/ 5 tion. Information Technology Equipmention. Information Technology Equipmention. Information. Information. Information.	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1: ent - Safety - Part 1: munication techno munication techno	the function is ver. General Requi General Requi General Requi Jogy equipmo	self-recovera rements rements rements ent - Part 1: ent - Part 1:	ble. File UL: E310			
2 Standard EC 60950-1:2005+/ JL 60950-1:2007 CAN/CSA - C22.2 Nr R2012):2007+AMD EC 62368-1:2014 JL 62368-1:2014	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013 Io. 60950-1-07 D1:2011+AMD2:2014	v degradatio v loss of func e (100V to 24 Details 2nd Edit 2nd Edit 2nd Edit 2nd Edit Safety re 2nd Edit Safety re 2nd Edit	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where applied AGENCY APPROV/ stion. Information Technology Equipment tion. Information Technology Equipment tion. Audio/video, information and cor aquirements tion. Audio/video, information and cor aquirements	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1: ent - Safety - Part 1: munication techno munication techno	the function is ver. General Requi General Requi General Requi Jogy equipmo	self-recovera rements rements rements ent - Part 1: ent - Part 1:	ble. File UL: E310			
2 Standard EC 60950-1:2005+/ JL 60950-1:2007 CAN/CSA - C22.2 No R2012):2007+AMD EC 62368-1:2014 JL 62368-1:2014	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013 Io. 60950-1-07 D1:2011+AMD2:2014	v degradatio v loss of funce e (100V to 24 Details 2nd Edit 2nd Edit 2nd Edit Safety re 2nd Edit Safety re 2nd Edit Safety re	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where applied AGENCY APPROV/ 5 tion. Information Technology Equipment tion. Information Technology Equipment tion. Audio/video, information and con equirements tion. Audio/video, information and con equirements tion. Audio/video, information and con equirements tion. Audio/video, information and con equirements	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1: ent - Safety - Part 1: munication techno munication techno	the function is ver. General Requi General Requi General Requi Jogy equipmo	self-recovera rements rements rements ent - Part 1: ent - Part 1:	ble. File UL: E310			
2 Standard EC 60950-1:2005+/ JL 60950-1:2007 CAN/CSA - C22.2 Nr R2012):2007+AMD EC 62368-1:2014 JL 62368-1:2014 CAN/CSA - C22.2 Nr E MARK	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013 Io. 60950-1-07 D1:2011+AMD2:2014	v degradatio v loss of funce e (100V to 24 Details 2nd Edit 2nd Edit 2nd Edit Safety re 2nd Edit Safety re 2nd Edit Safety re	formance or loss of function. n of performance or loss of function is tition is allowed but requires operator 40V). Line deratings applied where applied AGENCY APPROV/ 5 tion. Information Technology Equipment tion. Information Technology Equipment tion. Audio/video, information and con- equirements tion. Audio/video, information and con- equirements tion. Audio/video, information and con- equirements tion. Audio/video, information and con- equirements tion. Audio/video, information and con- equirements	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1: ent - Safety - Part 1: munication techno munication techno	the function is ver. General Requi General Requi General Requi Jogy equipmo	self-recovera rements rements rements ent - Part 1: ent - Part 1:	ble. File UL: E310			
2 Standard EC 60950-1:2005+/ JL 60950-1:2007 CAN/CSA - C22.2 No R2012):2007+AMD EC 62368-1:2014 JL 62368-1:2014 CAN/CSA - C22.2 No CAN/CSA - C22.2 NO CAN/CA	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013 lo. 60950-1-07 D1:2011+AMD2:2014 lo. 62368-1-14 report available on request	v degradatio v loss of funce e (100V to 24 Details 2nd Edit 2nd Edit 2nd Edit Safety re 2nd Edit Safety re 2nd Edit Safety re LVD 201	formance or loss of function. n of performance or loss of function is tition is allowed but requires operator 40V). Line deratings applied where applied AGENCY APPROV/ 5 tion. Information Technology Equipmention. Information Technology Equipmention. Information Technology Equipmention. Audio/video, information and con equirements tion. Audio/video, information and con equirements	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1: ent - Safety - Part 1: mmunication techno mmunication techno mmunication techno	the function is ver. General Requi General Requi General Requi ology equipmo ology equipmo ology equipmo	self-recovera rements rements rements ent - Part 1: ent - Part 1: ent - Part 1:	ble. File UL: E310 UL: E310	6486		
2 Standard IEC 60950-1:2005+/ UL 60950-1:2007 CAN/CSA - C22.2 No (R2012):2007+AMD IEC 62368-1:2014 UL 62368-1:2014 CAN/CSA - C22.2 No CE MARK CB certificate and re	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013 0.60950-1-07 D1:2011+AMD2:2014	v degradatio v loss of funce e (100V to 24 Details 2nd Edit 2nd Edit 2nd Edit Safety re 2nd Edit Safety re 2nd Edit Safety re LVD 201	formance or loss of function. n of performance or loss of function is tition is allowed but requires operator 40V). Line deratings applied where applied AGENCY APPROV/ 5 tion. Information Technology Equipment tion. Information Technology Equipment tion. Information Technology Equipment tion. Audio/video, information and con- equirements tion. Audio/video, information and con- equirements 4/35/EU, EMC 2014/30/EU m power)	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1: ent - Safety - Part 1: mmunication techno mmunication techno mmunication techno	the function is ver. General Requi General Requi General Requi ology equipmo ology equipmo ology equipmo	self-recovera rements rements rements ent - Part 1: ent - Part 1: ent - Part 1:	ble. File UL: E310	6486		
2 Standard IEC 60950-1:2005+/ UL 60950-1:2007 CAN/CSA - C22.2 Nr (R2012):2007+AMD IEC 62368-1:2014 UL 62368-1:2014 UL 62368-1:2014 CAN/CSA - C22.2 Nr CE MARK CB certificate and rr 0.90	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013 lo. 60950-1-07 D1:2011+AMD2:2014 lo. 62368-1-14 report available on request	v degradatio v loss of funce e (100V to 24 Details 2nd Edit 2nd Edit 2nd Edit Safety re 2nd Edit Safety re 2nd Edit Safety re LVD 201	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where applied AGENCY APPROV/ stion. Information Technology Equipmention. Information Technology Equipmention. Information Technology Equipmention. Information Technology Equipmention. Audio/video, information and con- equirements cion. Audio/video, information and con- equirements 4/35/EU, EMC 2014/30/EU m power)	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1: ent - Safety - Part 1: mmunication techno mmunication techno mmunication techno mmunication techno mmunication techno	the function is ver. General Requi General Requi General Requi ology equipmo ology equipmo ology equipmo	self-recovera rements rements rements ent - Part 1: ent - Part 1: ent - Part 1:	ble. File UL: E310 UL: E310	6486		
2 Standard IEC 60950-1:2005+/ UL 60950-1:2007 CAN/CSA - C22.2 No (R2012):2007+AMD IEC 62368-1:2014 UL 62368-1:2014 UL 62368-1:2014 CAN/CSA - C22.2 No CE MARK CB certificate and re Typi	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013 lo. 60950-1-07 D1:2011+AMD2:2014 lo. 62368-1-14 report available on request	v degradatio v loss of funce e (100V to 24 Details 2nd Edit 2nd Edit 2nd Edit Safety re 2nd Edit Safety re 2nd Edit Safety re LVD 201	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where applied AGENCY APPROV/ stion. Information Technology Equipmention. Information Technology Equipments tion. Audio/video, information and cor equirements tion. Audio/video, information and cor equirements 4/35/EU, EMC 2014/30/EU	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1: mmunication technomunication technomunicat	the function is ver. General Requi General Requi General Requi ology equipmo ology equipmo ology equipmo	self-recovera rements rements rements ent - Part 1: ent - Part 1: ent - Part 1:	ble. File UL: E310 UL: E310	6486		
2 Standard IEC 60950-1:2005+/ UL 60950-1:2007 CAN/CSA - C22.2 No (R2012):2007+AMD IEC 62368-1:2014 UL 62368-1:2014 UL 62368-1:2014 CAN/CSA - C22.2 No CAN/CSA - C22.2 NO CAN/CA	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013 lo. 60950-1-07 D1:2011+AMD2:2014 lo. 62368-1-14 report available on request	v degradatio v loss of funce e (100V to 24 Details 2nd Edit 2nd Edit 2nd Edit Safety re 2nd Edit Safety re 2nd Edit Safety re LVD 201	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where applied AGENCY APPROV/ Stion. Information Technology Equipmention. Information Technology Equipmention. Information Technology Equipmention. Audio/video, information and con- equirements tion. Audio/video, information and con- equirements tion. Audio/video, information and con- equirements tion. Audio/video, information and con- equirements tion. Audio/video, information and con- equirements 4/35/EU, EMC 2014/30/EU mpower)	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1: mmunication technomunication technomunicat	the function is ver. General Requi General Requi General Requi ology equipmo ology equipmo ology equipmo	self-recovera rements rements rements ent - Part 1: ent - Part 1: ent - Part 1:	ble. File UL: E310 UL: E310	6486		
2 Standard EC 60950-1:2005+/ UL 60950-1:2007 CAN/CSA - C22.2 N/ R2012):2007+AMD EC 62368-1:2014 UL 62368-1:2014 UL 62368-1:2014 CAN/CSA - C22.2 N/ CE MARK CB certificate and re 0.90 0.88 0.86	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013 lo. 60950-1-07 D1:2011+AMD2:2014 lo. 62368-1-14 report available on request	v degradatio v loss of funce e (100V to 24 Details 2nd Edit 2nd Edit 2nd Edit Safety re 2nd Edit Safety re 2nd Edit Safety re LVD 201	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where applied AGENCY APPROV/ Stion. Information Technology Equipmention. Information Technology Equipmention. Information Technology Equipmention. Audio/video, information and con- equirements tion. Audio/video, information and con- equirements tion. Audio/video, information and con- equirements tion. Audio/video, information and con- equirements tion. Audio/video, information and con- equirements 4/35/EU, EMC 2014/30/EU mpower)	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1: ent - Safety - Part 1: mmunication technomunication technom	the function is ver. General Requi General Requi General Requi ology equipmo ology equipmo ology equipmo	self-recovera rements rements rements ent - Part 1: ent - Part 1: ent - Part 1:	ble. File UL: E310 UL: E310	6486		
2 Standard EC 60950-1:2005+/ UL 60950-1:2007 CAN/CSA - C22.2 No (R2012):2007+AMD EC 62368-1:2014 UL 62368-1:2014 UL 62368-1:2014 CAN/CSA - C22.2 No CE MARK CB certificate and ro 0.90 0.88	Criterion B = Temporary Criterion C = Temporary 2. Tested at nominal range AMD1:2009+AMD2:2013 lo. 60950-1-07 D1:2011+AMD2:2014 lo. 62368-1-14 report available on request	v degradatio v loss of funce e (100V to 24 Details 2nd Edit 2nd Edit 2nd Edit Safety re 2nd Edit Safety re 2nd Edit Safety re LVD 201	formance or loss of function. n of performance or loss of function is tion is allowed but requires operator 40V). Line deratings applied where applied AGENCY APPROV/ stion. Information Technology Equipment tion. Information Technology Equipment tion. Information Technology Equipment tion. Audio/video, information and cor equirements tion. Audio/video, information and cor equirements 4/35/EU, EMC 2014/30/EU m power)	allowed, provided intervention to reco propriate. ALS ent - Safety - Part 1: ent - Safety - Part 1: mmunication technomunication technomunicat	the function is ver. General Requi General Requi General Requi ology equipmo ology equipmo ology equipmo	self-recovera rements rements rements ent - Part 1: ent - Part 1: ent - Part 1:	ble. File UL: E310 UL: E310	6486		

0.82 0.82 0.80 OP1 OP2 OP3 OP4 OPA2 OPA3 0.78 140 160 180 200 220 240 80 100 120 260 Input Voltage (Vrms)

0.74 0.72 OP1 OP2

OP3

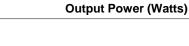
OPA2

50 100 150 200 250 300 350 400 450 500 550 600

_

OP4

OPA3



Page 3 of 5

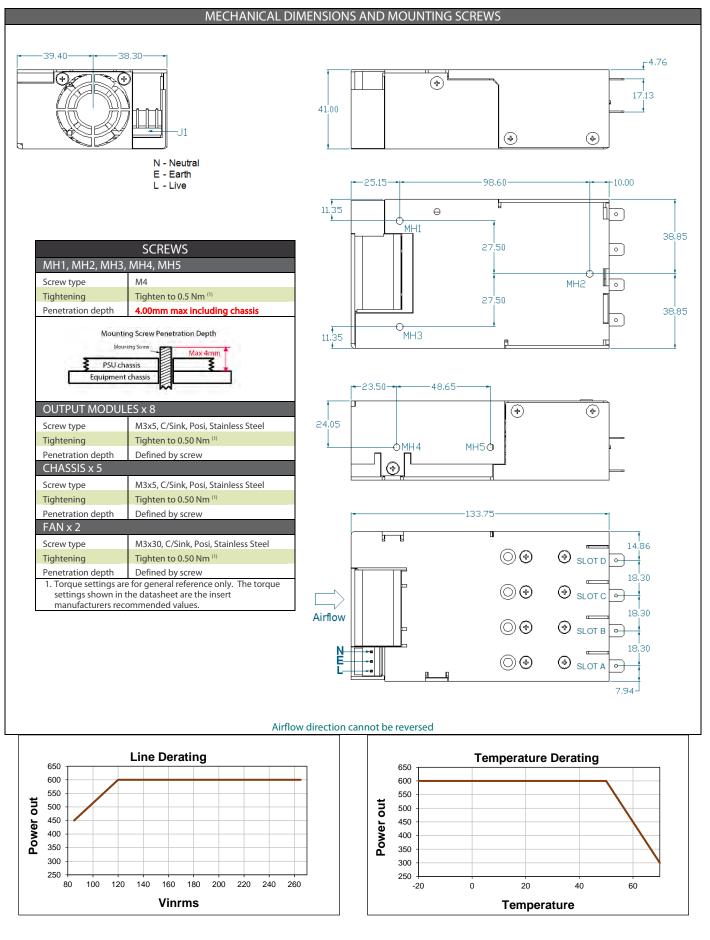
0.70

0.68

0.66

0

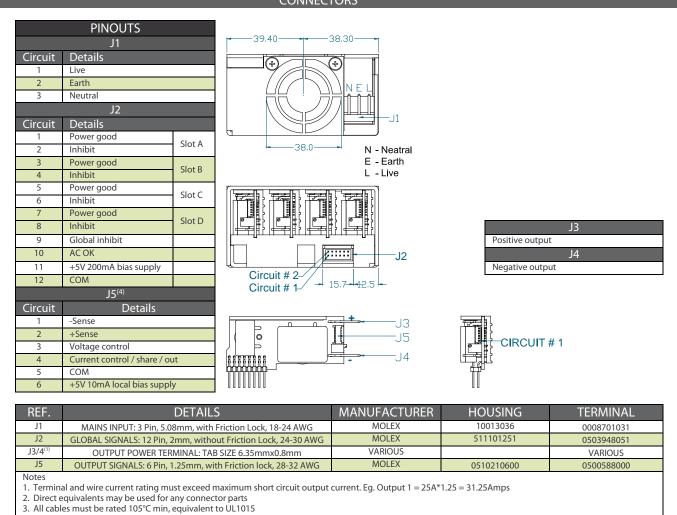




Page 4 of 5



CONNECTORS



All cables must be rated 105 C min, equivalent
 Pinout is for single output types only

PART NUMBERING SYSTEM

NEVO+ Power Series	NEVO+600	SL - 1	1 2	3 -	0	0 0]-•[Factory Use
Leakage Current							[Use 0 for unused slots. Blanking plates will be
SL – Industrial, Low Noise								inserted at factory
Slot A Output No							▶[Slot D Output No
Slot B Output No	_							Slot C Output No
Our design team will assist with value a Once approved, the factory will issue a								

All specifications are believed to be correct at time of publishing. Vox Power Ltd reserves the right to make changes to any of its products and to change or improve any part of the specification, electrical or mechanical design or manufacturing process without notice. Vox Power Ltd does not assume any liability arising out of the use or application of any of its products and of any information to the maximum extent permitted by law. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any products of Vox Power Ltd. VOX POWER LTD DISCLAIMS ALL WARRANTIES AND REPRESENTATIONS OF ANY KIND WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF SUITABILITY, FITNESS FOR PURPOSE, MERCHANTABILITY AND NONINFRINGEMENT.

Please consult your local distributor or Vox Power directly to ensure that you have the latest revision before using the product and refer to the latest relevant user manual for further information relating to the use of the product. Vox Power Ltd products are not intended for use in connection with life support systems, human implantations, nuclear facilities or systems, aircraft, spacecraft, military or naval missile, ground support or control equipment used for the purpose of guidance navigation or direction of any aircraft, spacecraft or military or naval missile or any other application where product failure could lead to loss of life or catastrophic property damage. The user will hold Vox Power Ltd harmless from any loss, cost or damage resulting from its breach of these provisions.



Page 5 of 5

VP ELECTRONIQUE - 91300 MASSY - Tel: 01.69.20.08.69 - contact@vpelec.com - www.vpelec.com