

NEVO+600M

MEDICAL AC/DC MODULAR CONFIGURABLE POWER SUPPLY

DATA SHEET



The NEVO+600M modular configurable medical power supply is the smallest in its class and the ultimate solution for demanding medical applications where size, power density and weight matter. Its tiny footprint of $5'' \times 3'' \times 1.61''$ weighs only 600 grams and delivers an incredible 600 Watts - equating to a power density of 25 Watts per cubic inch.

The input module can accommodate up to four isolated output modules which can be configured into a high power 5"x 3" single output power supply or a multiple output power supply with up to 8 isolated outputs.

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 200mA bias supply. A low noise fan option is available that you to use this innovative power supply in even the quietest of environments.

The series is approved to latest medical standards and features market leading specifications and design in application support.

MAIN FEATURES

- 600 Watts in 3" x 5" x 1.61"
- User and field configurable
- Wide output voltage adjust range
- Remote current / voltage
 programming
- Efficiency up to 89%
- Intelligent fan control
- Parallel and series connection of modules
- Standard 5V 200mA bias supply
- Accurate current sharing
- Up to 8 isolated outputs
- Low noise option (ML Version)
- UL60601 Ed. 3 (Immunity to Ed. 4)
- 3 Year warranty

SPECIFICATIONS

	INPUT EI	LECTRICAL				
Parameter	Details		Min	Тур	Max	Units
AC input voltage	Nominal range is 100Vrms to 240Vrms		85		264	Vrms
AC input frequency	Contact factory for 100Hz operation		17	50/6	62	
Ac input nequency	contact factory for 400Hz operation.		47	0	03	ΠZ
DC input voltage	Medical		120		300	Vdc
Power rating	See graphs for deratings				600	Watts
Input current	265\/rms (cold start)				20	Amps
Fusing	5x20 Fast acting				8	Amps
Input current limit	Maintains power factor			8		Amps
Efficiency	See graphs			86	89	%
Idle power	All outputs fitted and enabled			28		Watts
Idle power	All outputs fitted and Disabled			21	0.00	Watts
Power factor	Typical value for 300Watts output at 240Vrms input	t	17	0.96	0.99	mc
	Turn on only		78	20	21	Vrms
Over temperature	Internally monitored. Latching		115		125	°C
Reliability	40°C 80% load				2	FPMH
Bias voltage			4.8	5	5.2	V
Bias current			0		200	mA
✓ Power good voltage	PNP open collector with internal 10k pull down resi	stor	8	10	15	V
Power good current			0		20	mA
✓ Inhibit voltage			2		15	V
Z Inhibit current	10k ohm input impedance		0.2		1.5	mA
ர Global inhibit voltage			3		15	V
 Global inhibit current 	5k ohm input impedance		0.6		3	mA
∽ AC_OK voltage			1		4	V
AC_OK current			-10		20	mA
AC_OK warning	See user manual for exceptions		5			mS
	INSTAI	LATION				
Paramotor	Dataila	Parameter	Dotail			
		Faralleter)		
Installation category		IP rating	94V-2 IP10			
Pollution degree	2	ROHS compliance	2011/65	/EC		
Material group	IIIb (indoor use only)					
	RELIA	ABILITY				
Component	RELI <i>A</i> Details	ABILITY	Mir	1	Max	Units
Component Fan	RELIA Details Mag Lev Std	ABILITY	Mir	١	Max 2.7	Units FPMH
Component Fan Input	RELIA Details Mag Lev Std Excluding FAN	ABILITY	Mir	1	Max 2.7 2	Units FPMH FPMH
Component Fan Input Output	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets	ABILITY	Mir		Max 2.7 2 1	Units FPMH FPMH FPMH
Component Fan Input Output Warranty	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets	ABILITY	Mir	1	Max 2.7 2 1 3	Units FPMH FPMH FPMH Years
Component Fan Input Output Warranty	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA	ABILITY	Mir		Max 2.7 2 1 3	Units FPMH FPMH FPMH Years
Component Fan Input Output Warranty Parameter	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details	ABILITY FETY	Mir		Max 2.7 2 1 3 Max	Units FPMH FPMH FPMH Years Units
Component Fan Input Output Warranty Parameter	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details	ABILITY FETY	Mir		Max 2.7 2 1 3 Max 4000	Units FPMH FPMH FPMH Years Units Vac
Component Fan Input Output Warranty Parameter	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis	ABILITY FETY	Mir Mir		Max 2.7 2 1 3 Max 4000 1500	Units FPMH FPMH FPMH Years Units Vac Vac
Component Fan Input Output Warranty Parameter Isolation voltage	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis	ABILITY FETY	Mir Mir		Max 2.7 2 1 3 Max 4000 1500 250	Units FPMH FPMH FPMH Years Units Vac Vac Vac
Component Fan Input Output Warranty Parameter Isolation voltage	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to output	ABILITY FETY	Mir		Max 2.7 2 1 3 3 Max 4000 1500 250 250	Units FPMH FPMH FPMH Years Units Vac Vac Vac Vdc Vdc
Component Fan Input Output Warranty Parameter Isolation voltage	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to output Primary to secondary (reinforced)	ABILITY FETY	Mir Mir		Max 2.7 2 1 3 3 Max 4000 1500 250 250	Units FPMH FPMH FPMH Years Units Vac Vac Vac Vdc Vdc Mm
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to output Primary to secondary (reinforced) Primary to account to accou	ABILITY FETY	Mir Mir 7 2.5		Max 2.7 2 1 3 3 Max 4000 1500 250 250	Units FPMH FPMH FPMH Years Units Vac Vac Vac Vdc Vdc Mm Vdc Mm
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to chassis Output to chassis Primary to secondary (reinforced) Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic)	ABILITY FETY	Mir Mir 7 2.5 12		Max 2.7 2 1 3 3 Max 4000 1500 250 250	Units FPMH FPMH FPMH Years Units Vac Vac Vac Vac Vdc Vdc Mm Mm mm
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to chassis Output to output Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Medical: 25Vac. 63Hz, 25°C	ABILITY FETY	Mir Mir 7 2.5 12 4		Max 2.7 2 1 3 Max 4000 1500 250 250 250	Units FPMH FPMH Years Units Vac Vac Vac Vdc Vdc Vdc Mm mm mm
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to chassis Output to output Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C	ABILITY FETY	Mir Mir 7 2.5 12 4		Max 2.7 2 1 3 Max 4000 1500 250 250 250 300	Units FPMH FPMH Years Units Vac Vac Vac Vdc Vdc Vdc Vdc Mm mm mm mm uA
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Details Medical: 265Vac, 63Hz, 25°C MECH	ABILITY FETY ANICAL	Mir Mir 7 2.5 12 4		Max 2.7 2 1 3 Max 4000 1500 250 250 250 300	Units FPMH FPMH Years Units Vac Vac Vac Vdc Vdc Vdc Vdc Mm mm mm mm uA
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Details Medical: 265Vac, 63Hz, 25°C MECH	ABILITY FETY ANICAL	Mir Mir 7 2.5 12 4		Max 2.7 2 1 3 Max 4000 1500 250 250 250 300	Units FPMH FPMH Years Units Vac Vac Vac Vdc Vdc Vdc Vdc mm mm mm mm uA
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current Parameter	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to chassis Output to chassis Output to chassis (Dasic) Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details	ABILITY FETY ANICAL	Mir Mir 7 2.5 12 4		Max 2.7 2 1 3 Max 4000 1500 250 250 250 300	Units FPMH FPMH Years Units Vac Vac Vac Vdc Vdc Vdc Vdc Mm mm mm mm uA
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current Parameter Size Weight	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to output Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details 77.7mm x 133.7mm x 41.0mm (all external dimensional 360 gram + 60 gram per output module	ABILITY FETY ANICAL	Mir Mir 7 2.5 12 4		Max 2.7 2 1 3 Max 4000 1500 250 250 250 300	Units FPMH FPMH Years Units Vac Vac Vac Vdc Vdc Vdc Vdc Mm mm mm uA
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to output Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details 77.7mm x 133.7mm x 41.0mm (all external dimension 360 gram + 60 gram per output module Bottom or side mounting (see diagram for details)	ABILITY FETY ANICAL	Mir Mir 7 2.5 12 4		Max 2.7 2 1 3 Max 4000 1500 250 250 250 300	Units FPMH FPMH Years Units Vac Vac Vdc Vdc Vdc Vdc Mm mm mm uA
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to chassis Output to output Primary to secondary (reinforced) Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details 77.7mm x 133.7mm x 41.0mm (all external dimension 360 gram + 60 gram per output module Bottom or side mounting (see diagram for details)	ABILITY FETY ANICAL ons ± 1.0mm)	Mir Mir 7 2.5 12 4		Max 2.7 2 1 3 	Units FPMH FPMH Years Units Vac Vac Vac Vdc Vdc Vdc Mm mm mm uA
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to chassis Output to chassis Output to output Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details 77.7mm x 133.7mm x 41.0mm (all external dimension 360 gram + 60 gram per output module Bottom or side mounting (see diagram for details)	ABILITY FETY ANICAL ons ± 1.0mm)	Mir Mir 2.5 12 4		Max 2.7 2 1 3 	Units FPMH FPMH Years Units Vac Vac Vdc Vdc Vdc Vdc Mm mm mm uA
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting Parameter	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Details ENVIRO Details	ABILITY FETY FETY ANICAL ons ± 1.0mm)	Mir Mir 7 2.5 12 4		Max 2.7 2 1 3 Max 4000 1500 250 250 250 300	Units FPMH FPMH Years Units Vac Vac Vdc Vdc Vdc Vdc Mm mm mm uA Units
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting Parameter Temperature	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Details T7.7mm x 133.7mm x 41.0mm (all external dimension 360 gram + 60 gram per output module Bottom or side mounting (see diagram for details) ENVIRO	ABILITY FETY ANICAL ons ± 1.0mm)	Mir Mir 2.5 12 4 		Max 2.7 2 1 3 Max 4000 1500 250 250 300 300 Max +85	Units FPMH FPMH Years Units Vac Vac Vac Vdc Vdc Vdc Mm mm mm mm uA Units C
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting Parameter Temperature Humidity	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to output Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details 77.7mm x 133.7mm x 41.0mm (all external dimension 360 gram + 60 gram per output module Bottom or side mounting (see diagram for details) ENVIRO Details Relative, non-condensing	ABILITY FETY ANICAL ons ± 1.0mm) NMENTAL	Mir Mir 7 2.5 12 4 		Max 2.7 2 1 3 Max 4000 1500 250 250 300 300 Max +85 95	Units FPMH FPMH Years Units Vac Vac Vdc Vdc Vdc Vdc Mm mm mm uA Units C %
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting Parameter Temperature Humidity Altitude	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to chassis Output to output Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details 77.7mm x 133.7mm x 41.0mm (all external dimension 360 gram + 60 gram per output module Bottom or side mounting (see diagram for details) ENVIRO Details Relative, non-condensing	ABILITY FETY ANICAL ons ± 1.0mm) NMENTAL	Mir Mir 7 2.5 12 4 		Max 2.7 2 1 3 Max 4000 1500 250 250 300 300 Max +85 95 5000	Units FPMH FPMH Years Units Vac Vac Vdc Vdc Vdc Vdc Wdc Mm mm mm mm uA Units °C % m
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting Parameter Temperature Humidity Altitude Air Pressure	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to output Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details 77.7mm x 133.7mm x 41.0mm (all external dimension 360 gram + 60 gram per output module Bottom or side mounting (see diagram for details) ENVIRO Details Relative, non-condensing	ABILITY FETY ANICAL ons ± 1.0mm) NMENTAL	Mir Mir 7 2.5 12 4 4 		Max 2.7 2 1 3 Max 4000 1500 250 250 300 300 Max +85 95 5000 106	Units FPMH FPMH Years Units Vac Vac Vdc Vdc Vdc Vdc Wdc Mm mm mm uA Units C % m kPa
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting Parameter Temperature Humidity Altitude Air Pressure C Temperature	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to output Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details 77.7mm x 133.7mm x 41.0mm (all external dimensioned and the set of a gram per output module Bottom or side mounting (see diagram for details) ENVIRO Details Relative, non-condensing Full power	ABILITY FETY ANICAL ons ± 1.0mm) NMENTAL	Mir Mir 7 2.5 12 4 4 		Max 2.7 2 1 3 Max 4000 1500 250 250 300 300 Max +85 95 5000 106 50	Units FPMH FPMH FPMH Years Units Vac Vac Vdc Vdc Vdc Vdc Mm mm mm mm uA Units C % m kPa °C
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting Parameter Temperature Humidity Altitude Air Pressure Temperature Humidity Altitude Air Pressure Temperature	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis (basic) Primary to secondary (reinforced) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details 77.7mm x 133.7mm x 41.0mm (all external dimensioned and coutput module Bottom or side mounting (see diagram for details) ENVIRO Details Relative, non-condensing Full power Derate input and outputs at 2.5%/°C	ABILITY FETY ANICAL ons ± 1.0mm) NMENTAL	Mir Mir 7 2.5 12 4 4 .20 5 200 54 20 50		Max 2.7 2 1 3 Max 4000 1500 250 250 300 300 Max +85 95 5000 106 50 70	Units FPMH FPMH FPMH Years Units Vac Vac Vdc Vdc Vdc Vdc Vdc Mm mm mm mm uA Units C % m kPa °C °C
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting Parameter Temperature Humidity Altitude Air Pressure Temperature Humidity Humidity	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to secondary (reinforced) Primary to secondary (reinforced) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details 77.7mm x 133.7mm x 41.0mm (all external dimension 360 gram + 60 gram per output module Bottom or side mounting (see diagram for details) ENVIRO Details Relative, non-condensing Full power Derate input and outputs at 2.5%/°C Relative, non-condensing	ABILITY FETY ANICAL ons ± 1.0mm) NMENTAL	Mir Mir 7 2.5 12 4 4 		Max 2.7 2 1 3 Max 4000 1500 250 250 300 300 Max +85 95 5000 106 50 70 95	Units FPMH FPMH FPMH Years Units Vac Vac Vdc Vdc Vdc Vdc Mm mm mm uA Units C C % m kPa °C °C %
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting Parameter Temperature Humidity Altitude Air Pressure Temperature Humidity Altitude Air Pressure Temperature	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis (basic) Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details 77.7mm x 133.7mm x 41.0mm (all external dimension and the state state and intension and the state state and the state state and the sta	ABILITY FETY FETY ANICAL Ons ± 1.0mm)	Mir Mir 7 2.5 12 4 4 		Max 2.7 2 1 3 Max 4000 1500 250 250 3000 Max +85 95 5000 106 50 70 95 3000	Units FPMH FPMH FPMH Years Units Vac Vac Vdc Vdc Vdc Vdc Vdc Mm mm mm uA Units C C % m kPa °C % m
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting Parameter Size Weight Mounting Parameter Temperature Humidity Altitude Air Pressure U Humidity Altive Altive Nair Pressure U Altive	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to output Primary to secondary (reinforced) Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details 77.7mm x 133.7mm x 41.0mm (all external dimension 360 gram + 60 gram per output module Bottom or side mounting (see diagram for details) ENVIRO Details Relative, non-condensing Full power Derate input and outputs at 2.5%/°C Relative, non-condensing (-200 to 2000m for UL60601-1) Variable Macrue 1 to form for Unities	ABILITY FETY ANICAL ons ± 1.0mm) NMENTAL	Mir Mir 7 2.5 12 4 4 Mir -40 5 -200 54 -200 54 -200 54 -200 50 5 -200 54 -200 50 5 -200 5 2 5 2 5 2 5 2 5 2 5 2 5 5 5 2 5 5 5 5 2 5		Max 2.7 2 1 3 Max 4000 1500 250 250 250 300 Max +85 95 5000 106 50 70 95 3000 106 50 70 95 3000 106 50 70 95 3000	Units FPMH FPMH FPMH Years Units Vac Vac Vdc Vdc Vdc Vdc Vdc Mm mm mm mm mm mm mm mm mm mm
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting Parameter Temperature Humidity Altitude Air Pressure Temperature Humidity Altitude Air Pressure Noise level Noise level	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to coutput Primary to secondary (reinforced) Primary to chassis (basic) Primary to chassis (basic) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details 77.7mm x 133.7mm x 41.0mm (all external dimension 360 gram + 60 gram per output module Bottom or side mounting (see diagram for details) ENVIRO Details Relative, non-condensing Full power Derate input and outputs at 2.5%/°C Relative, non-condensing (-200 to 2000m for UL60601-1) Variable. Measured 1m from fan intake 3000 humps at 10G (16mc) half cine wave	ABILITY FETY ANICAL Ons ± 1.0mm) NMENTAL	Mir Mir 7 2.5 12 4 4 Mir -40 5 -200 54 -200 50 5 -200 50 5 -200 53 -200 50 5 -200 50 5 -200 50 5 -200 50 5 -200 5 5 -200 5 5 -200 5 5 -200 5 5 -200 5 5 -200 5 5 -200 5 5 -200 5 5 -200 5 5 -200 5 5 -200 5 5 -200 5 5 -200 5 5 -200 5 5 -200 -200		Max 2.7 2 1 3 Max 4000 1500 250 250 250 3000 106 50 70 95 3000 106 60	Units FPMH FPMH Years Units Vac Vac Vdc Vdc Vdc Wdc Mm mm mm mm mm mm mm mm mm mm
Component Fan Input Output Warranty Parameter Isolation voltage Isolation clearance Isolation creepage Leakage current Parameter Size Weight Mounting Parameter Temperature Humidity Altitude Air Pressure Temperature Humidity Altitude Air Pressure Noise level Shock Vibration	RELIA Details Mag Lev Std Excluding FAN See individual output datasheets SA Details Input to output Input to chassis Output to chassis Output to chassis Output to coutput Primary to secondary (reinforced) Primary to secondary (reinforced) Primary to chassis (basic) Medical: 265Vac, 63Hz, 25°C MECH Details 77.7mm x 133.7mm x 41.0mm (all external dimension 360 gram + 60 gram per output module Bottom or side mounting (see diagram for details) ENVIRO Details Relative, non-condensing Full power Derate input and outputs at 2.5%/°C Relative, non-condensing (-200 to 2000m for UL60601-1) Variable. Measured 1m from fan intake 3000 bumps at 10G (16ms) half sine wave 1.5G 10 to 200Hz sine wave, 20G for 15min in 3 ave	ABILITY FETY FETY ANICAL ons ± 1.0mm) NMENTAL es random vibration	Mir Mir 7 2.5 12 4		Max 2.7 2 1 3 Max 4000 1500 250 250 250 300 4000 100 50 70 95 5000 106 50 70 95 3000 106 60 40 106 60 106 106 106 106 106 106	Units FPMH FPMH FPMH Years Units Vac Vac Vac Vdc Vdc Mm mm mm mm mm mm mm mm mm mm

	EMC			
10	Parameter	Standard	Level	
ons	Radiated electric field	EN55011, EN55022, FCC	В	
issi	Conducted emissions	EN55011, EN55022, FCC	В	
Ē	Harmonic distortion	EN61000-3-2	Compliant	
	Flicker & fluctuation	EN61000-3-3	Compliant	
	Electrostatic discharge	EN61000-4-2 (15kV air, 8kV contact)	4	
	Radiated RFI	EN61000-4-3 (10V/m)	3	
lity	Fast transient burst	EN61000-4-4 (2kV)	3	
nu	Input line surges	EN61000-4-5 (1kV L-N, 2kV L-E)	3	
ЪС	Conducted RFI	EN61000-4-6 (10V)	4	
_	Power freq. magnetic field	EN61000-4-8 (10A/m)	3	
	Voltage dips	EN61000-4-11 (EN55024)	Compliant	

AGENCY APPROVALS			
Standard	Details	File	
UL60601-1	UL60601-1: 2006	UL: E316486	
IEC/EN60601-1	IEC 60601-1: 1998 + A1: 1991 + A2: 1995		
CAN/CSA-C22.2 No. 60601-1	CAN/CSA-C22.2 No. 60601-1 (2008)		
ANSI/AAMI ES60601-1	ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10)		
CE MARK	LVD 2014/35/EU		

CB certificate and report available on request











MECHANICAL DIMENSIONS AND MOUNTING SCREWS



CONNECTORS

	PINOUTS	
	J1	
Circuit	Details	
1	Live	
2	Earth	
3	Neutral	
	J2	
Circuit	Details	
1	Power good	Slot A
2	Inhibit	SIOUA
3	Power good	Slot B
4	Inhibit	0.000
5	Power good	Slot C
6	Inhibit	
7	Power good	Slot D
8	Inhibit	
9	Global inhibit	
10	AC OK	
11	+5V 200mA bias supply	
12	COM	
	J5 ⁽⁴⁾	
Circuit	Details	
1	-Sense	
2	+Sense	
3	Voltage control	
4	Current control / share / o	ut
5	COM	
6	+5V local bias supply	





J1MAINS INPUT: 3 Pin, 5.08mm, with Friction Lock, 18-24 AWGMOLEX10013036J2GLOBAL SIGNALS: 12 Pin, 2mm, with Friction Lock, 24-30 AWGMOLEX511101251J3/4(1)OUTPUT POWER TERMINAL: TAB SIZE 6.35mmx0.8mmVARIOUSJ5OUTPUT SIGNALS: 6 Pin, 1.25mm, with Friction lock, 28-32MOLEX	TERMINAL
J2 GLOBAL SIGNALS: 12 Pin, 2mm, with Friction Lock, 24-30 AWG MOLEX 511101251 J3/4(1) OUTPUT POWER TERMINAL: TAB SIZE 6.35mmx0.8mm VARIOUS J5 OUTPUT SIGNALS: 6 Pin, 1.25mm, with Friction lock, 28-32 MOLEX	0008701031
J3/4(1) OUTPUT POWER TERMINAL: TAB SIZE 6.35mmx0.8mm VARIOUS J5 OUTPUT SIGNALS: 6 Pin, 1.25mm, with Friction lock, 28-32 MOLEX	0503948051
J5 OUTPUT SIGNALS: 6 Pin, 1.25mm, with Friction lock, 28-32 MOLEX	VARIOUS
	0500500000
Aive 0510210000	0500588000

2. Direct equivalents may be used for any connector parts

3. All cables must be rated 105°C min, equivalent to UL1015

4. Pinout is for single output types only

PART NUMBERING SYSTEM



settings. Once approved, the factory will issue a 3 or 4 digit code for your specific configuration which can be used for all future orders of the same

configuration.

When ordering an input unit with no outputs inserted, simply order NEVO+600M

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.

DOC-DTS-002-04, NEVO+600M Medical Datasheet