



VOXPOWER

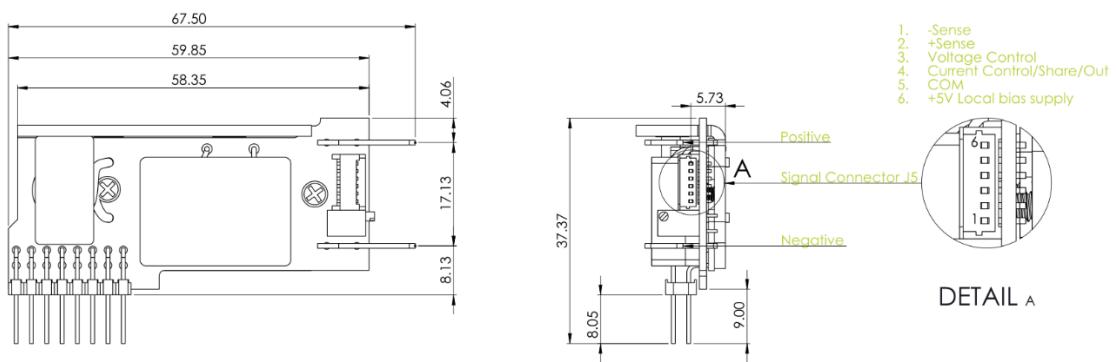


NEVO+ SERIES

OP2 DATASHEET

Output Module 2: 4.5V-15V, 15A, 150W

OUTPUT MODULE 2 SPECIFICATIONS					
Parameter	Details	Min	Typical	Max	Units
Output Voltage Range	Manual adjustment	4.5	12	15	Volts
Output Current Rating				15	Amps
Output Power Rating				150	Watts
Peak Power Rating	Maximum 5 seconds			225	Watts
Initial voltage setting accuracy	Factory set units	-0.5	0.5	%	%
Load Regulation	Measured at sense terminals	-100	100	mV	
Line Regulation	Measured at sense terminals	-0.1	0.1	% V_{NOM}	
Cross Regulation	Measured at sense terminals	-0.2	0.2	% V_{NOM}	
Minimum load		0			Watts
Temperature coefficient		-0.02		+0.02	%/ $^{\circ}$ C
Ripple and Noise	20MHz BW, pk-pk			1	% V_{NOM}
Transient response	25% to 75% load transient at 0.5A/ μ s Recovery to within 10% of V_{SET}			1.5	Volts
Turn on rise time	Monotonic 10% to 90%	1.5		3.5	mS
Turn on overshoot				0.1	% V_{SET}
Turn on delay	AC to PG EN to PG		600 15	750 20	mS
Current share accuracy	Error from ideal sharing current. Valid for loads > 20% of rating.	-5		+5	% I_{MAX}
Open Sense offset	Voltage offset between sense lines and output terminals when sense lines unused			2	% V_{NOM}
Holdup voltage				12.5	Volts
Isolation to ground	Each output terminal			250	Volts
Over current protection		105	115	125	%Rated
Reverse current protection		-6		0	%Rated
Short circuit protection	Period/Duty cycle/Voltage Threshold (Measured at sense terminals)		125/3/2		mS/%V
Over Voltage Protection			18		Volts
Over Temperature Protection	Various locations	115		125	°C
Sense Cable Protection	Positive	-1		2	Volts
	Negative			1	Volts
Power Good Threshold	Low threshold only		90		% V_{SET}
Current Output Signal	$ISIG=0.6+IOUT/(IRTD*1.25)$	0		110	%Rated
Current Limit Control	$ILMT = (VCTRL-0.6)*IRTD*1.25$	0		110	%Rated
Remote Voltage Control	$VOUT=VSET((1.8-VCTRL)/0.6)$	0		300	% V_{SET}
Bias Supply	10mA Max	4.5	5	5.2	Volts
Reliability	40°C 80% load			1	FPMH
Warranty				3	Years
Wire Size		16	14	10	AWG
Size	60 (L) x 35 (W) x 17 (H)				mm
Weight	60				Grams



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