

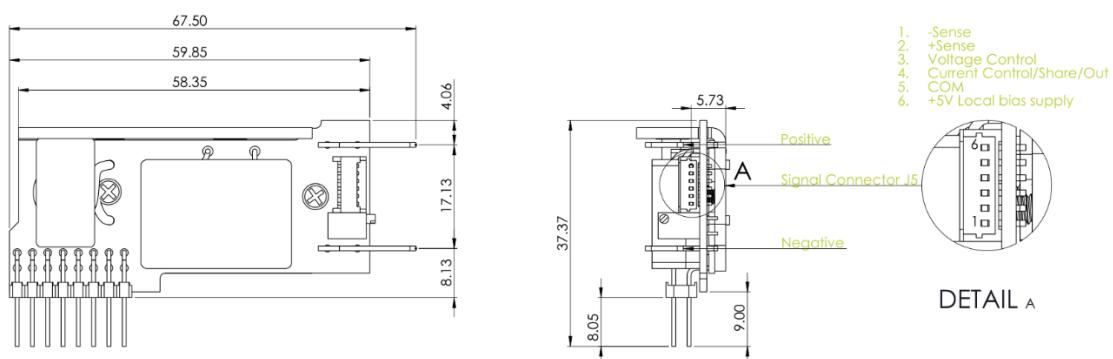


NEVO+ SERIES

OP3 DATASHEET

Output Module 3: 9V-30V, 7.5A, 150W

OUTPUT MODULE 3 SPECIFICATIONS					
Parameter	Details	Min	Typical	Max	Units
Output Voltage Range	Manual adjustment	9	24	30	Volts
Output Current Rating				7.5	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	-150		150	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 ⁽¹⁾			Watts
Temperature coefficient		-0.02		+0.02	%/°C
Ripple and Noise	20MHz BW, pk-pk		1		%V _{NOM}
Transient response	25% to 75% load transient at 0.25A/uS Recovery to within 10% of V _{SET}		3	100	Volts uS
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	750	mS	
		15	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				25	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)		125/3/3.5		mS/%V
Over Voltage Protection			36		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+I _{OUT} /(RTD*1.25)	0		110	%Rated
Current Limit Control	ILMT = (V _{CTRL} -0.6)*RTD*1.25	0		110	%Rated
Remote Voltage Control	V _{OUT} =V _{SET} ((1.8-V _{CTRL})/0.6)	0 ⁽¹⁾		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	60 (L) x 35 (W) x 17 (H)	20	18	10	AWG mm
Weight	60				Grams



Note 1. Minimum Output levels achievable when using V-control and I-control may be >0 due to the minimum on-time of the PWM controllers

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