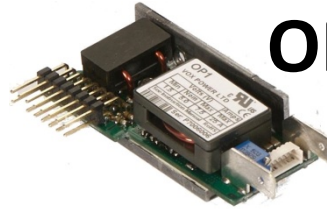




NEVO600 SERIES OP3



Patents pending



OUTPUT 3 SPECIFICATIONS

Parameter	Details	Min	Typ	Max	Units
Output voltage range	See table	9	24	30	V
Rated current				7.5	A
Average output power				150	Watts
Peak output power	See graph, < 5 seconds 50% duty cycle			225	Watts
Initial voltage accuracy	Factory set units	-0.5		0.5	%
Manual Voltage Adjust	11 turn potentiometer		1.9		V/turn
Load Regulation	Measured at sense terminals	-150		150	mV
Line Regulation	Measured at sense terminals	-0.1		0.1	%Vnom
Cross Regulation	Measured at sense terminals	-0.2		0.2	%Vnom
Minimum Load				0	Watts
Temperature coefficient		-0.02		0.02	%/°C
Ripple and Noise	20MHz BW, pk-pk			1	%Vnom
Transient response	25% to 75% load transient at 0.25A/uS			3	V
	Recovery to within 10% of Vset			100	uS
Turn on rise time	Monotonic 10% to 90%	1.5		3.5	mS
Turn on overshoot				0.1	%Vset
Turn on delay	AC to PG		600	750	mS
	En to PG		15	20	mS
Current share accuracy				5	%Imax
Open sense offset	Open sense, voltage offset due to bias currents			2	%Vnom
Holdup voltage				25	V
Isolation to ground	Each terminal			250	V
Over current protection	% of rated current	105		125	%rated
Reverse current protection	% of rated current	-6		0	%rated
Short circuit protection (Hiccup mode)	Period		125		mS
	Duty cycle		3		%
	Voltage threshold (Measured at sense terminals)		3.5		V
Over voltage protection	Latching		36		V
Over Temperature protection	Internally monitored. Latching	115		125	°C
Sense cable protection	Positive	-1		2	V
	Negative			1	V
Power Good threshold	Low threshold only		90		%Vset
Current output signal	$I_{SIG} = 0.6 + I_{OUT} / (I_{RTD} * 1.25)$	0		110	%rated
Current limit control	$I_{LMT} = (V_{CTRL} - 0.6) * I_{RTD} * 1.25$	0		110	%rated
Remote voltage control	$V_{OUT} = V_{SET} * ((1.8 - V_{CTRL}) / 0.6)$	0		300	%Vset
Bias supply	10mA max	4.5	5	5.2	V
Reliability	Demonstrated 40°C 80% load			1	FPMH
Warranty				2	Years
Wire Size		20	18	10	AWG
Weight				60	Grams
Size	60mm x 35mm x 17mm				

Notes: All specifications are believed to be correct at time of publication and are subject to change without notice.

