

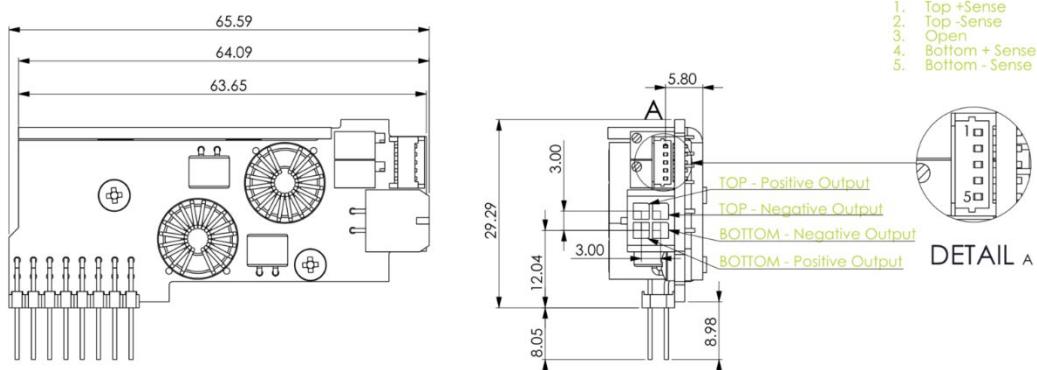


NEVO+ SERIES

OP5 DATASHEET

Output Module 5: DUAL 3.3V-15V, 5A, 2x75W

OUTPUT MODULE 5 SPECIFICATIONS					
Parameter	Details	Min	Typical	Max	Units
Output Voltage Range	Manual adjustment. Each channel	3.3	12	15	Volts
Output Current Rating	Each channel			5	Amps
Output Power Rating	Each channel			75	Watts
Initial voltage setting accuracy	Factory set units	-0.5		0.5	%
Load Regulation	Measured at sense terminals	-50		50	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			2	%V _{NOM}
Transient response	25% to 75% load transient at 0.5A/uS Recovery to within 10% of V _{SET}			200	Volts uS
Turn on rise time	Monotonic 10% to 90%	2		4	mS
Turn on overshoot				0.1	%V _{SET}
Turn on delay	AC to PG EN to PG		600 15	750 20	mS mS
Open Sense offset	Voltage offset between sense lines and output terminals when sense lines unused			1	%V _{NOM}
Holdup voltage				12	Volts
Isolation to ground	Each output terminal.			250	Volts
Over current protection	Constant current mode	105	115	175	%Rated
Reverse current protection	Yes	-6		0	%Rated
Short circuit protection	Period/Duty cycle/Voltage Threshold (Measured at sense terminals)			260/3.5/65	mS/%V
Over Voltage Protection	Latching			22	Volts
Over Temperature Protection	Various locations	115		125	°C
Power cable voltage drop	Positive/Negative power cables	-3		0.5	Volts
Power Good Threshold	Low threshold only			92.5	%V _{SET}
Reliability	40°C 80% load			1	FPMH
Warranty				3	Years
Wire Size		22	20		AWG
Size	60 (L) x 35 (W) x 17 (H)				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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