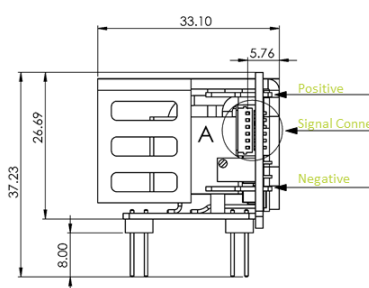
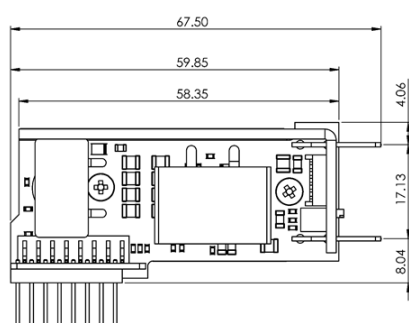




| OUTPUT MODULE A3 SPECIFICATIONS | | | | | |
|----------------------------------|---|-------|-----------|-----------|-------------------|
| Parameter | Details | Min | Typical | Max | Units |
| Output Voltage Range | Manual adjustment | 9 | 24 | 30 | Volts |
| Output Current Rating | | | | 15 | Amps |
| Output Power Rating | | | | 300 | Watts |
| Peak Power Rating | Maximum 5 seconds | | | 450 | 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 | | | 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 15 | 750 20 | mS 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 | | | | 24 | 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 Negative | -1 | | 2 1 | Volts 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 35 (H) | | | | mm |
| Weight | 70 | | | | Grams |



1. -Sense
2. +Sense
3. Voltage Control
4. Current Control/Share/Out
5. COM
6. +5V Local bias supply

DETAIL A
SCALE 4 : 1

IMPORTANT NOTE

NEVO+ SERIES A3 MODULES CAN ONLY BE USED WITH NEVO+600 CHASSIS WITH DATE CODES FROM 2048 ONWARDS.

EG. 2048C080000 CAN USE A3 MODULE, 2047C089999 CANNOT USE A2 MODULE.

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