

# ARTESYN NEOPOWER MODULES

For NP05 and NP08 Series



Advanced Energy's NP Modules support NP05 and NP08 series. Please see below table for NP module details.

1 Slot Single Output Modules					
Model <sup>1</sup>	1S 0005M/L	1S 0012M/L	1S 0015M/L	1S 0024M/L	1S 0048M/L
Voltage Source (VS) Mode					
Nominal Output Voltage	5 V	12 V	15 V	24 V	48 V
Orderable Part Numbers <sup>1</sup>	83-011-0005M/L	83-011-0012M/L	83-011-0015M/L	83-011-0024M/L	83-011-0048M/L
Output Voltage Range	1.0 to 6.0 V	2.4 to 14.4 V	3.0 to 18.0 V	4.8 to 28.8 V	9.6 to 57.6 V
Output Current Range	0 to 56 A	0 to 41.6 A	0 to 33.3 A	0 to 20.8 A	0 to 10.4 A
Current Source (CS) Mode					
Rated Output Current	56 A	33.3 A	26.6 A	16.6 A	8.3 A
Output Current Range	2.8 to 56 A	1.66 to 41.6 A	1.33 to 33.3 A	0.83 to 20.8 A	0.42 to 10.4 A
Minimum Output Voltage	1.0 V	2.4 V	3.0 V	4.8 V	9.6 V
Max Output Power	280 W	400 W	400 W	400 W	400 W
Max Capacitance for Dynamic Loading	820 $\mu$ F	470 $\mu$ F	220 $\mu$ F	220 $\mu$ F	220 $\mu$ F
Module Connected in Parallel	Up to 8 modules with active current sharing error of +/-5% from half load to full load.				
Remote Sense	All outputs have remote sense capability. Compensate for up to 2% of Vnom drop in each load line.				
Under-voltage Protection (UVP)	Capable of detecting an under-voltage condition in which the output voltage does not achieve its setpoint voltage.				
Over-voltage Protection (OVP)	110% to 120% of Vout-target, latch off mode. Cleared by input voltage reset or clear faults digital register.				
Over-current Protection (OCP)	Latch vs CC				
Short Circuit Protection (SCP)	All outputs protected from continuous output shorted condition (no damage or reliability issues).				

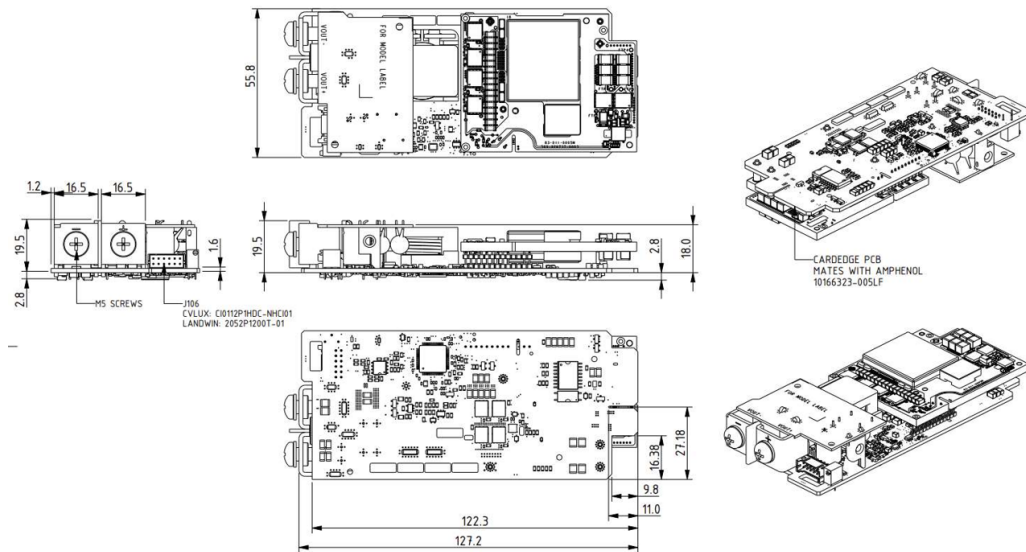
Note 1 - Suffix M for Medical BF Rated application, and L for Industrial Low Noise application.

Complete product specification please refer to below datasheet link:

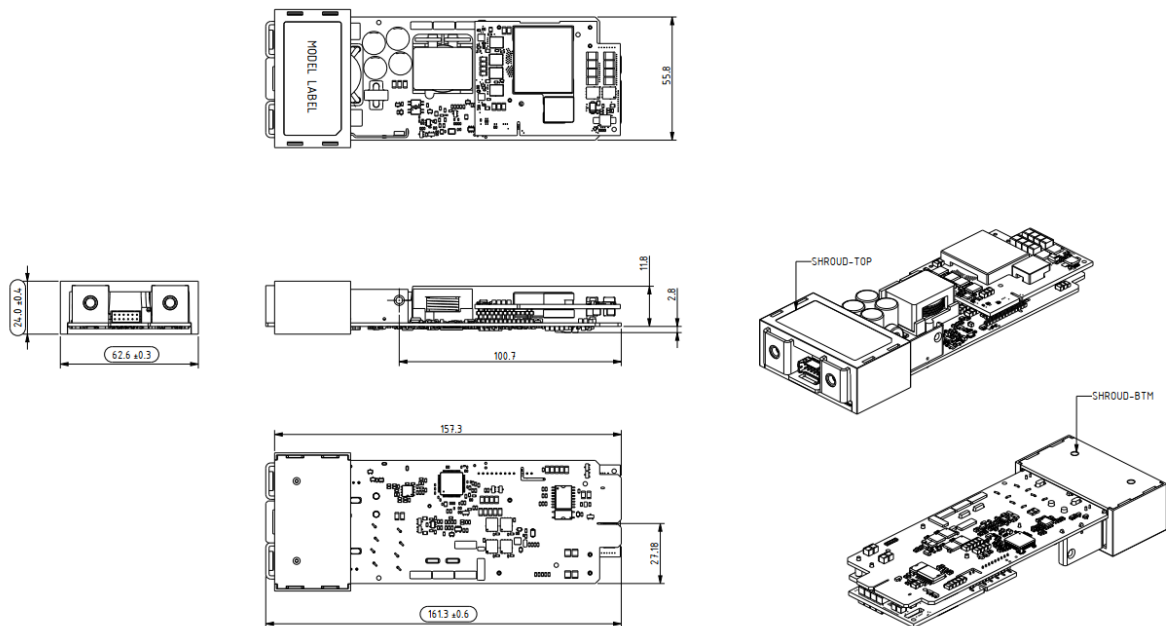
NP series <https://www.advancedenergy.com/getmedia/b58edfa3-e459-4dc5-b3d8-714dcfe8b498/ENG-NP-235-01-10-08-24.pdf>

## MECHANICAL SPECIFICATIONS

1 Slot Single Output Modules (Unit: mm)  
Maximum Module Weight: 0.5 lbs (0.226 kg)



1 Slot Single Output Low Noise Modules (Unit: mm)  
Maximum Module Weight: 0.4lbs (0.2kg)





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## ABOUT ADVANCED ENERGY

Advanced Energy (AE) has devoted more than four decades to perfecting power for its global customers. AE designs and manufactures highly engineered, precision power conversion, measurement and control solutions for mission-critical applications and processes.

Our products enable customer innovation in complex applications for a wide range of industries including semiconductor equipment, industrial, manufacturing, telecommunications, data center computing, and medical. With deep applications know-how and responsive service and support across the globe, we build collaborative partnerships to meet rapid technological developments, propel growth for our customers, and innovate the future of power.

**PRECISION | POWER | PERFORMANCE | TRUST**

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