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NETDAS™ POWER SUPPLY MODULES
NPS-801, NPS-802, NPS-803 & EPM-803

Primary and Secondary/ Excitation Power Supply Modules





L3 Telemetry & RF Products (L3 T&RF) NetDAS™ product line includes a number of different power supply modules that can be configured to meet a customer's specific requirements.

The power supplies are split into two basic categories: primary, as represented by the NPS series, and secondary/excitation, as represented by the EPM series. The capabilities of the various power supply modules are noted on the next page.

The NPS-80X supplies accept a 28 VDC input, provides Electromagnetic Interference (EMI) filtering and creates a number of voltages (3.3 V, ± 15 V, ± excitation) to the stack modules. The power supply chosen for any particular stack application depends upon the number and types of modules that are required.

The EPM-803 excitation power supply provides additional power to a NetDAS system, augmenting the capabilities of the main NetDAS power supply. It is available in two different configurations and is included in a stack configuration with the smaller NPS-802 supply when more excitation, or ± 15 V is required. The EPM-803-1 provides 2 A of ± 7 V each and the EPM-803-2 provides 1 A of ± 15 V each.

FEATURES

- Power supplies capable of up to 115 W total output power
- Excitation/auxiliary supplies that can add 30 W if needed
- All supplies accept MIL-STD-704, 28 VDC input
- Filtering provided to protect against EMI, reduce emissions and minimize ripple on the input current
- Various form factor, mounting options and output voltage combinations to meet customer specific applications
- Missile, maritime, fighter aircraft and civil aircraft applications

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NETDAS™ POWER SUPPLY MODULES
NPS-801, NPS-802, NPS-803 AND EPM-803

SPECIFICATIONS

NetDAS Power Supply Specifications

MODEL	NPS-801-12*2	NPS-801-13*2	NPS-802*1,3	NPS-803*1	EPM-803-1*2	EPM-803-2*2	EPM-803-3*2
VIN (VDC)	22-32	22-32	20-34	20-40	22-34	22-34	22-34
Logic Supply	+3.3 V @ 6 A	+3.3 V @ 6 A	+3.3 V @ 5 A	+3.3 V @ 8 A	N/A	N/A	N/A
Positive Analog Supply	+15 V @ 2 A	+15 V @ 2A	+15 V @ 0.5 A	+15 V @ 2 A	N/A	+15 V @ 1 A	+5 V @ .5 A +15 V @ .45 A
Negative Analog Supply	-15 V @ 2 A	-15 V @ 2 A	-15 V @ 0.5 A	-15 V @ 2 A	N/A	-15 V @ 1 A	-5 V A .5 A -15 V @ .45 A
Positive Excitation Supply	+7 V @ 2 A	+12 V @ 2 A	N/A	+7.5 V @ 2 A	+7 V @ 2 A	N/A	N/A
Negative Excitation Supply	-7 V @ 2 A	-12 V @ 2 A	N/A	-7.5 V @ 2 A	-7 V @ 2 A	N/A	N/A
Auxiliary Supply / Excitation	+5 V @ 50 mA	+5 V @ 50 mA	+5, ± 15 V @ 50 mA	+5, ± 15 V @ 50 mA	+5 V @ 300 mA -5 V @ 180 mA	+5 V @ 60 mA 5 V @ 40 mA	N/A
Height (excluding connectors) (in)	2.53	2.53	2.53	2.53	2.53	2.53	2.53
Through-Hole Mount Length (in)	4.5	4.5	.99	1.46	1.1	1.1	1.1
Through-Hole Width (in)	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Flange Mount Length (in)	N/A	N/A	.68	1.46	N/A	N/A	N/A
Flange Mount Width (in)	N/A	N/A	4.5	4.5	N/A	N/A	N/A

*Notes

1. The NPS-802 and NPS-803 are the primary power supplies recommend for new systems.
2. Other modules are available for existing customers and unique requirements.
3. Different user connector options are available, contact factory.

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BRML680 Rev A

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