

# DH-242 VXI Power Supply

## Description

The DH-226 power supply is designed to provide power for VXI applications. The eight independently regulated outputs will deliver full rated current to meet these power requirements. LED status indicators for INPUT OK, OUTPUT OK and POWER SUPPLY FAIL are located on the front panel. Communications per RS-485 allow the status and output voltages of the power supply to be remotely monitored. Enable circuitry allows the power supply to be remotely enabled. Each output is independently thermally protected. Independet 12V output to power system fans



## Features

- 48 Volt DC input
- Eight independently regulated outputs
- 1488 Watts at 45°C (requires 400 LFM of air)
- N+1 redundant
- Size 6U high by 7hp wide (standard VXI caed size)
- High efficiency 90% typical

## Output Voltage & Current

Output	+5.0V	+12V	-12V	+24V	-24V	-5.2V	-2V	+12V
Max Load	60A	13.75A	13.75A	9.5A	9.5A	32A	30A	13.75A
OVP	5.70 to 6.53V	12.96 to 14.52V	-12.96 to -14.52V	30.4V Typ.	-30.4V Typ.	-5.70 to -6.35V	-2.42 to -2.64V	12.96 to 14.52V
Current Limit	70A to 82A	15A to 17.5A	15A to 17.5A	10.5A to 11.5A	10.5A to 11.5A	35A to 41A	33A to 39A	15A to 17.5A
Remote Sense	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Load Share	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### Control/Indicators

Control/Indicator	LED/Signal	Characteristic
Input OK	LED	Green LED - indicates input voltage is present
Output OK	LED	Green LED - indicates output is within expected range Yellow LED - indicates output is outside expected range
Power Supply Fail	LED	Red LED - indicates the power supply has failed (output could still be OK if a redundant supply is present)
Enable	Signal	To ENABLE the power supply ENABLE HIGH has to have 5V (10mA) applied to it with respect to ENABLE LOW (OPTIONAL)
Power Good	Signal	A Logic High with respect to output return indicates Outputs are good
Communication	Signal	Per RS-485 Half-Duplex

### Product Features

Feature	
Mating Connectors	PCIH47F9300A1 or PCIH47F300A1
Redundant	Full-power N+1 redundant - When supplying more power than one power supply can provide the load share, Start Sync and enable must be connected properly for both supplies to power up at the same time and share load.
Operating Ambient/Cooling	0°C to 45°C, 400 LFM of airflow required
Efficiency	90% Typical
Weight	6 lbs.
Size	6U high bu 7hp wide (standard VXI card size)

### Ordering Information

Part Number	Description
050-2001-000-0P	P/S,1488W,VXI,48VDC;TS DH-242

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