

VADS SERIES

DC/DC Single Output: 300 - 1500 Watts



Features

- Based on **PH** Series power modules
- Wide DC input voltage range
- Output voltage trim option
- Fully isolated input - output 3000VDC
- Floating output
- Regulated output
- Overload and over voltage correction
- **N+1** redundancy option
- DC Fail alarm output option
- MTBF > 200,000 hours

General Specifications

Input Voltage:	48VDC (20 - 36), 48VDC (36 - 76), 110VDC (85 - 185)
Input Protection:	Reverse polarity protection. Inrush current limiting
Efficiency:	Model dependent 85 - 90%
Output Voltage:	12 - 48VDC
Voltage Adjustment:	Only on Case style 210069
Output Power:	300 - 1500 watts
Output Protection:	Overload protection, constant current limiting, overvoltage Protection
Parallel Operation:	F models only
Isolation:	Input - output 3000VAC
Redundancy:	Built-in isolation diode - Option
Alarm:	Dc Fail Relay Alarm - Option
Operating Temp:	0°C to +50°C at rated load
Cooling:	300W: convection cooled 500 - 1500W: internal fan
Dimensions:	Case: NL210069: 278 x 130 x 70mm NL405117: 330 x 150 x 140mm NL405118: 330 x 150 x 200mm NL411140: 350 x 150 x 140mm NL411141: 350 x 150 x 200mm
Weight:	Model dependent: 2.45Kg

Description

The **VADS** series converters use the field proven PH power modules, packaged in a suitable assembly to provide a high quality DC/DC converter product range.

Using the PH series power modules as a building block, allows us to bring on-board the reliability of these modules and their features of high isolation, safety approvals and 'constant current' overload protection.

For more detailed information on the VADS series, visit our website.

Options

Alarm:	Output voltage alarm, free relay contacts: Add ' R ' to model.
Isolation Diode:	Isolation diode for N+1 Redundancy: Add ' D ' to model.

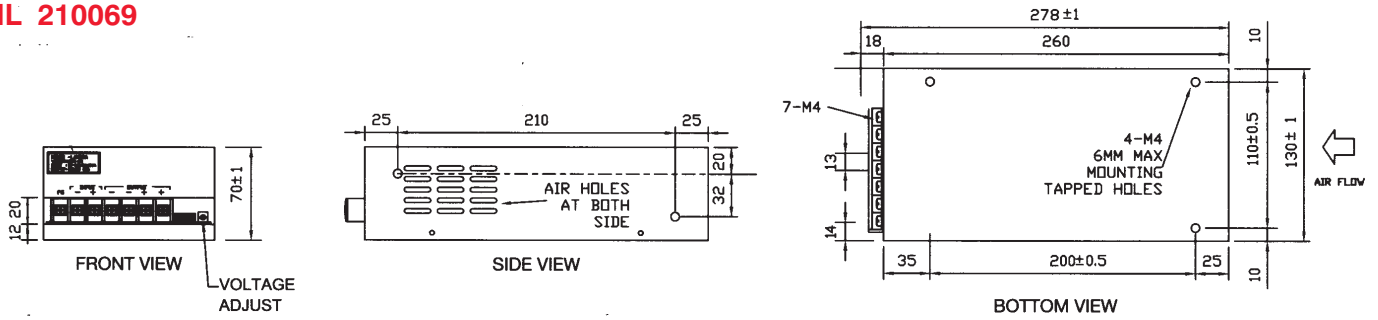
Model	Input V	Output V	Output A	Power W	Case
VADS300F24 - 12	24V	12V	20A	240W	210069
VADS300F24 - 24	24V	24V	10.8A	260W	210069
VADS300F24 - 28	24V	28V	10.8A	300W	210069
VADS500F24 - 12	24V	12V	42A	500W	210069
VADS500F24 - 24	24V	24V	18A	430W	210069
VADS500F24 - 28	24V	28V	18A	500W	210069
VADS500F24 - 48	24V	48V	10A	500W	405117
VADS600F24 - 24	24V	24V	21.5A	516W	210069
VADS1000F24 - 12	24V	12V	84A	1000W	411140
VADS1000F24 - 24	24V	24V	40A	960W	405117
VADS1000F24 - 28	24V	28V	36A	864W	405117
VADS1500F24 - 12	24V	12V	125A	1500W	411141
VADS1500F24 - 24	24V	24V	60A	1440W	411141
VADS1500F24 - 28	24V	28V	54A	1500W	411141

Model	Input V	Output V	Output A	Power W	Case
VADS300F48 - 12	48V	12V	25A	300W	210069
VADS300F48 - 15	48V	15V	20A	300W	210069
VADS300F48 - 24	48V	24V	12.6A	300W	210069
VADS300F48 - 28	48V	28V	10.8A	300W	210069
VADS500F48 - 12	48V	12V	42A	500W	210069
VADS500F48 - 24	48V	24V	18A	432W	210069
VADS500F48 - 28	48V	28V	18A	500W	210069
VADS600F48 - 12	48V	12V	50A	600W	210069
VADS600F48 - 24	48V	24V	21.5A	516W	210069
VADS600F48 - 28	48V	28V	21.5A	600W	210069
VADS1000F48 - 12	48V	12V	84A	1000W	411140
VADS1000F48 - 24	48V	24V	40A	960W	405117
VADS1000F48 - 28	48V	28V	40A	1120W	405117
VADS1500F48 - 12	48V	12V	125A	1500W	411141
VADS1500F48 - 24	48V	24V	60A	1440W	405118
VADS1500F48 - 28	48V	28V	54A	1500W	405118
VADS300F110 - 12	110V	12V	25A	300W	210069
VADS300F110 - 15	110V	15V	20A	300W	210069
VADS300F110 - 24	110V	24V	12.6A	300W	210069
VADS300F110 - 28	110V	28V	10.8A	300W	210069
VADS600F110 - 24	110V	24V	25A	600W	405117

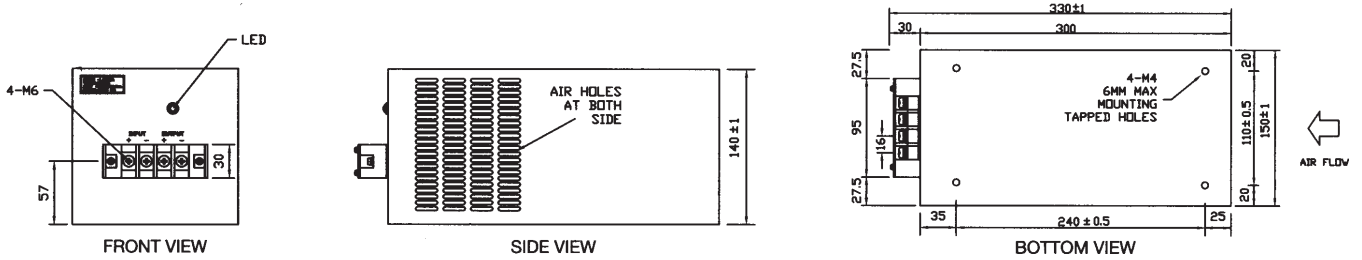
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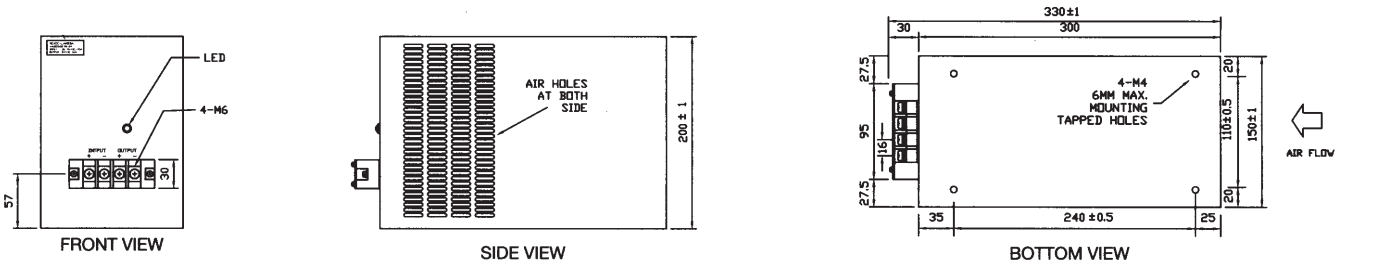
NL 210069



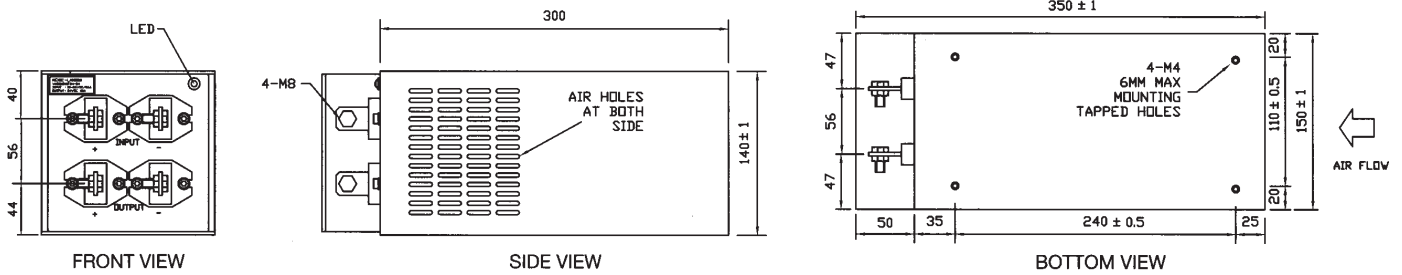
NL 405117



NL 405118



NL 411140



NL 411141

