

# VADS SERIES

DC/DC Single Output: 300 - 1500 Watts

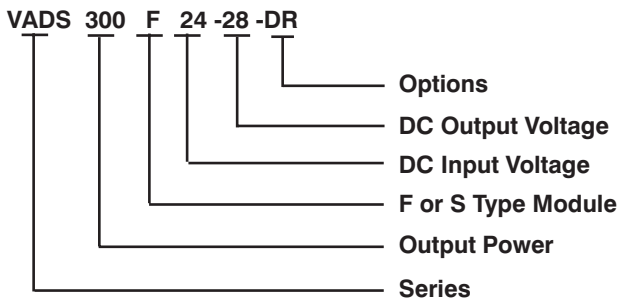


## Features

- Based on the **PH** Series power modules
- Wide DC input voltage range
- Output voltage trim option
- Floating output
- Regulated output
- Over current and over voltage correction
- Fully isolated to 3000VDC
- **N+1** redundancy - **Option “D”**
- Relay alarm - **Option “R”**
- MTBF > 200,000 hours

## Specifications

<b>INPUT VOLTAGE:</b>	24 VDC (20 - 36V), 48VDC (36 - 76V), 110VDC (85 - 185V), 280VDC (200-400V)
<b>INPUT PROTECTION:</b>	Reverse polarity protection
<b>EFFICIENCY:</b>	Model dependent, 85 - 90%
<b>OUTPUT VOLTAGE:</b>	Refer to table
<b>OUTPUT VOLTAGE ADJ:</b>	Only case style models 210069
<b>OUTPUT VOLTAGE SETTING:</b>	±1%
<b>OUTPUT POWER:</b>	300 - 1500 Watts
<b>RIPPLE &amp; NOISE:</b>	2% (20MHz bandwidth scope)
<b>LOAD REGULATION:</b>	±1.5%
<b>LINE REGULATION:</b>	±0.5%
<b>OUTPUT PROTECTION:</b>	Over current protection. Constant current limiting set at approx. 110% of rating with auto recovery
<b>PARALLEL OPERATION:</b>	F models only
<b>SERIES OPERATION:</b>	Possible
<b>ISOLATION:</b>	Input - output: 3000VAC Input - baseplate: 2000VAC Output - case: 500VAC
<b>REDUNDANCY DIODE:</b>	Built-in redundancy - optional
<b>OUTPUT FAIL SIGNAL:</b>	Voltage free relay contact - optional
<b>OPERATING TEMP:</b>	0°C to +50°C
<b>COOLING:</b>	300W convection cooled 500 - 1500W internal forced air
<b>TERMINALS:</b>	Screw terminal connections
<b>DIMENSIONS:</b>	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
<b>WEIGHT:</b>	Model dependant



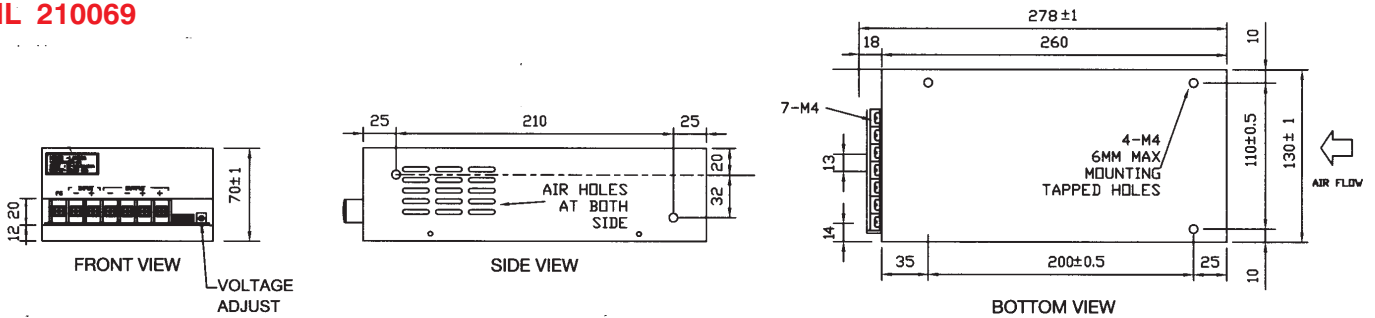
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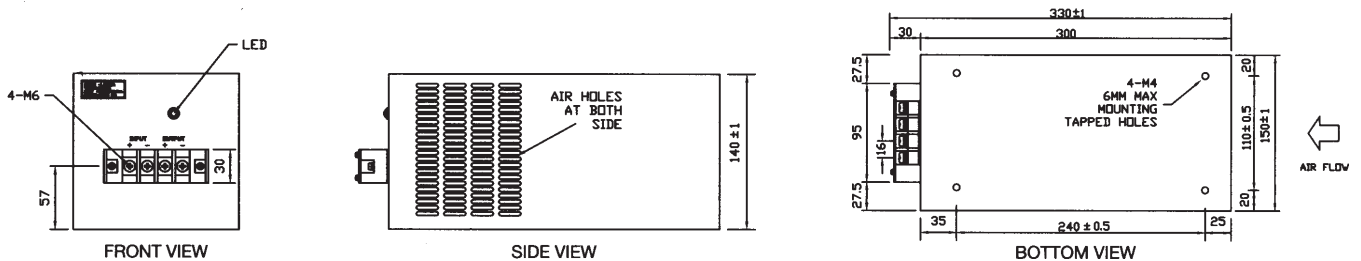
Model	Input V	Output V	Output A	Power W	Case
VADS300F24 - 12	24V	12V	20A	240W	210069
VADS300F24 - 24	24V	24V	10.8A	260W	210069
VADS300F24 - 28	24V	28V	10.8A	300W	210069
VADS500F24 - 12	24V	12V	42A	500W	210069
VADS500F24 - 24	24V	24V	18A	430W	210069
VADS500F24 - 28	24V	28V	18A	500W	210069
VADS500F24 - 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
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

Model	Input V	Output V	Output A	Power W	Case
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

## NL 210069



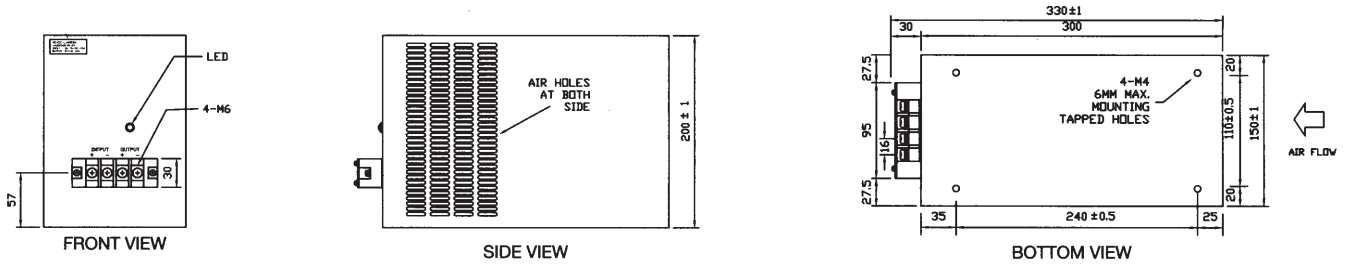
## NL 405117



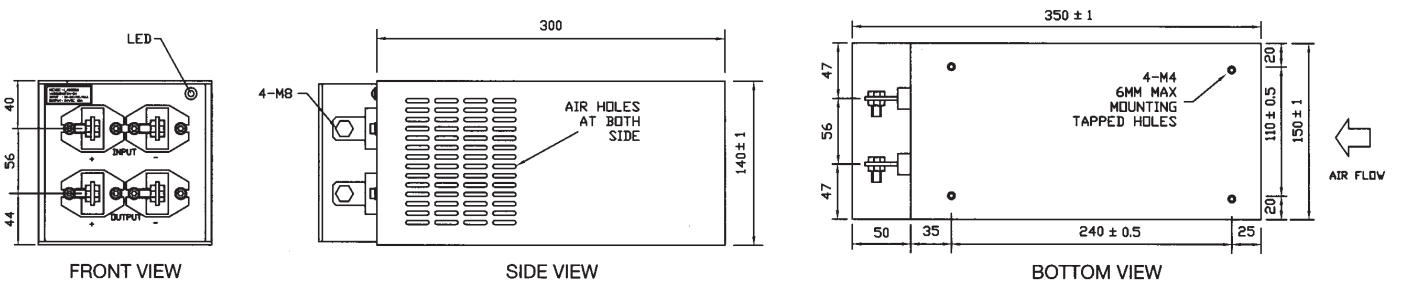
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## NL 405118



## NL 411140



## NL 411141

