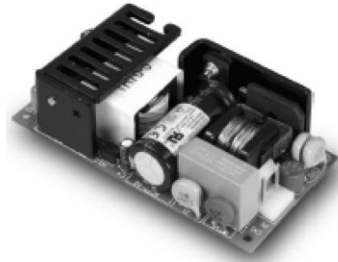




## 40/60 Watt Open Frame AC/DC Modules Series DVC40/60



### Features

- Universal Input Range 90 – 264Vac
- PCB Mountable & Covered Version Available
- Continuous Short Circuit Protection
- IEC/EN/UL62368-1 Approved
- 2" x 4" Size
- Efficiency at 87% Typical
- Meets EN55032 Class B, CISPR/FCC Class B
- IEC/EN/UL60950-1 Approved

### 40 Watt Series

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT MAX. [A]	OUTPUT CURRENT MIN. [A]	RIPPLE & NOISE	VOLTAGE ACCURACY [%]	LINE REGULATION [%]	LOAD REGULATION [%]	EFF. [%]
DVC40S033	3,3	6	0	50mV	±1	±0,5	±1	70
DVC40S050	5	6	0	1%	±1	±0,5	±1	76
DVC40S090	9	4,45	0	1%	±1	±0,5	±1	84
DVC40S120	12	3,34	0	1%	±1	±0,5	±1	85
DVC40S150	15	2,67	0	1%	±1	±0,5	±1	85
DVC40S240	24	1,67	0	1%	±1	±0,5	±1	85
DVC40S300	30	1,33	0	1%	±1	±0,5	±1	86
DVC40S360	36	1,11	0	1%	±1	±0,5	±1	87
DVC40S480	48	0,834	0	1%	±1	±0,5	±1	87

### 60 Watt Series

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT MAX. [A]	OUTPUT CURRENT MIN. [A]	RIPPLE & NOISE	VOLTAGE ACCURACY [%]	LINE REGULATION [%]	LOAD REGULATION [%]	EFF. [%]
DVC60S033	3,3	8	0	50mV	±1	±0,5	±1	72
DVC60S050	5	8	0	1%	±1	±0,5	±1	77
DVC60S090	9	6,67	0	1%	±1	±0,5	±1	84
DVC60S120	12	5	0	1%	±1	±0,5	±1	85
DVC60S150	15	4	0	1%	±1	±0,5	±1	86
DVC60S240	24	2,5	0	1%	±1	±0,5	±1	86
DVC60S300	30	2	0	1%	±1	±0,5	±1	86
DVC60S360	36	1,67	0	1%	±1	±0,5	±1	88
DVC60S480	48	1,25	0	1%	±1	±0,5	±1	88

Note: Please add **-P** for **Pin-Version** (DVC40S240-P) or **-C** for **Covered Version** (DVC40S240-C).

### INPUT CHARACTERISTICS:

Input Voltage Range.....90-264Vac  
 Input Frequency.....47 to 63Hz  
 Inrush Current (Cold Start@25°C)..... 240Vac/50A max.  
 Leakage Current.....1mA typ.

### OUTPUT CHARACTERISTICS:

Hold-up Time ..... 8mS Typ @ 115Vac  
 Short Circuit Protection .. Hiccup Mode ( Auto Recover ), Continuous  
 Temperature Coefficient .....±0,05%/°C  
 Over Temperature Protection ..... TVS Component to Clamp

### GENERAL SPECIFICATIONS:

Isolation Voltage (Input/Output) ..... 4242Vdc  
 Operating Temperature Range .....0°C to +70°C  
 Storage Temperature Range .....-20°C to +85°C  
 Derating ..... see curve  
 Humidity .....93% RH max. non condensing  
 Cooling..... Free Air Convection  
 Switching Frequency .....66KHz typ.  
 MTBF (MIL-HDBK-217F,GB,at25°C/115VAC).....200K hrs min.  
 Altitude..... 2000m

### MECHANICAL SPECIFICATIONS:

Dimensions ..... DVC40/60 Open frame: 101,6 x 50,8 x 30,48 ( mm)  
 4.000x2.000x1.200 (Inches)  
 DVC40/60 Covered Version:.....117 x 62 x 40 ( mm)  
 4.606x2.441x1.575 (Inches)  
 Weight.....DVC40/60 Open frame:..... 170g/175g typ.  
 DVC40/60 Covered Version:.....210g/215g typ.

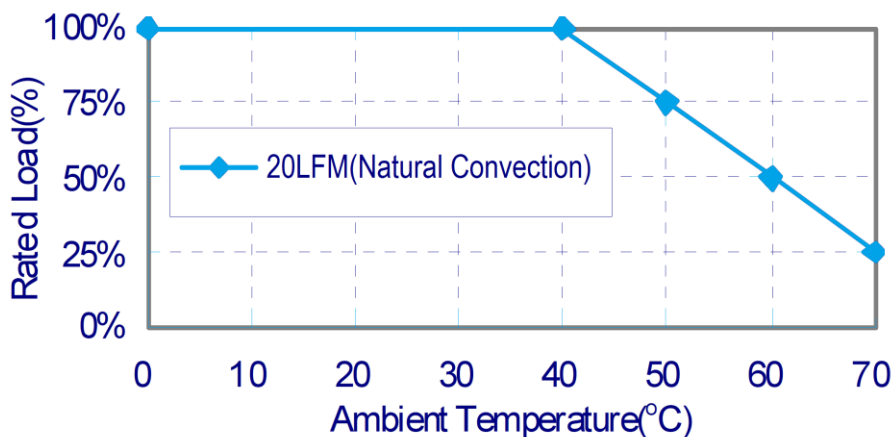
### SAFETY & EMC:

Emission & Immunity.....EN55032 Class B, FCC Part 15 Class B  
 EN61000-6-3, EN61000-3-2, EN61000-3-3  
 EN55024, EN61204-3, EN61000-6-1  
 Safety approved ..... IEC/EN/UL60950-1 / IEC/EN/UL62368-1

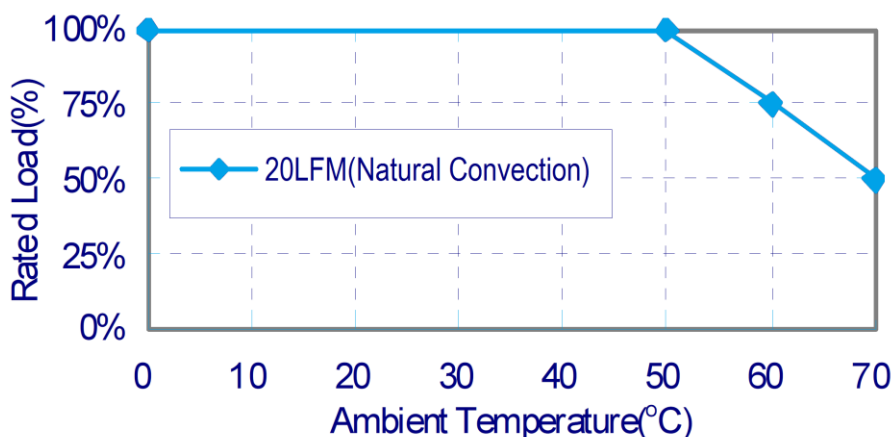
- NOTE:
1. Add a 0,1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW
  2. Line regulation is measured from High Line to Low Line with Full Load.
  3. Load regulation is measured from Full to 10% load.
  4. Input connector mates with Molex housing 09-50-3031 and Molex 2878 series crimp terminal.
  5. Output connector mates with Molex housing 09-50-3041 and Molex 2878 series crimp terminal.
  6. Safety approvals do not apply to the covered version, only to the open frame version.
  7. Typical at 25°C, nominal line and 75% load, unless otherwise specified.

## DVC40/60 Derating Curve (Open Frame Versions)

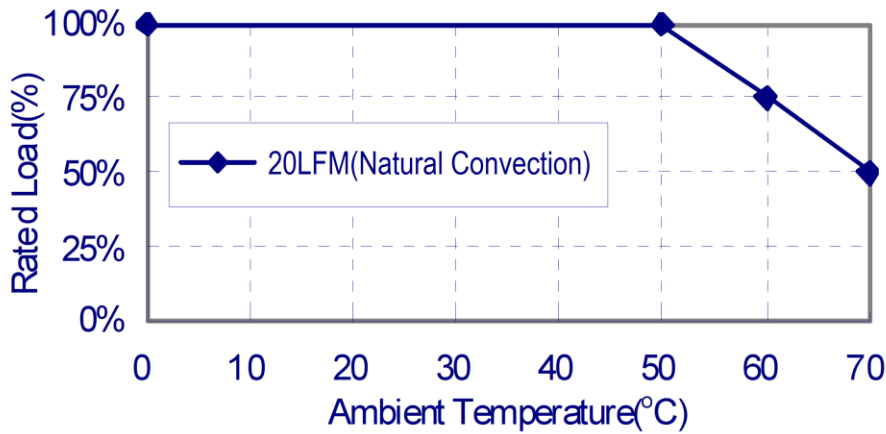
DVC40S033, DVC40S050, DVC40S090, DVC60S033, DVC60S050, DVC60S090



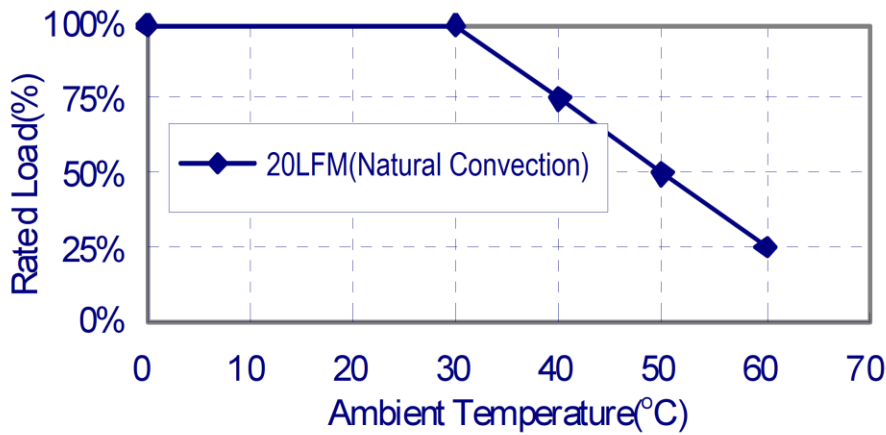
DVC40S120, DVC40S150, DVC40S240, DVC40S300, DVC40S360, DVC40S480  
 DVC60S120, DVC60S150, DVC60S240, DVC60S300, DVC60S360, DVC60S480



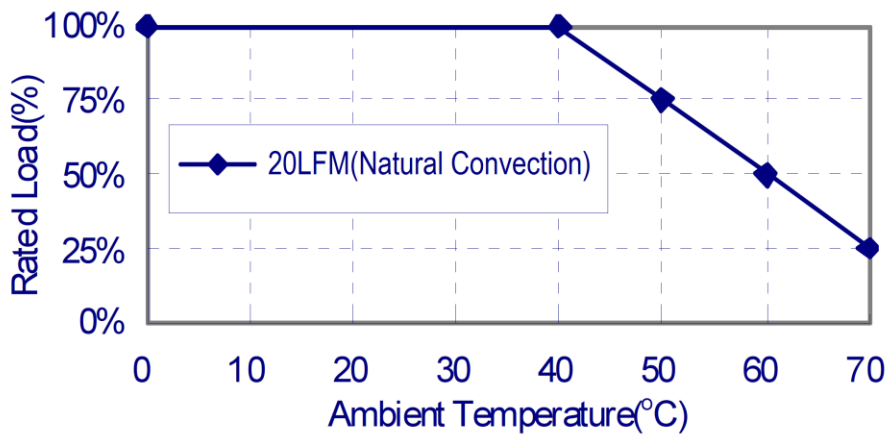
DVC40S120, DVC40S150, VC40S240, DVC40S300, DVC40S360, DVC40S480



DVC40S033, DVC40S050, DVC60S033, DVC60S050



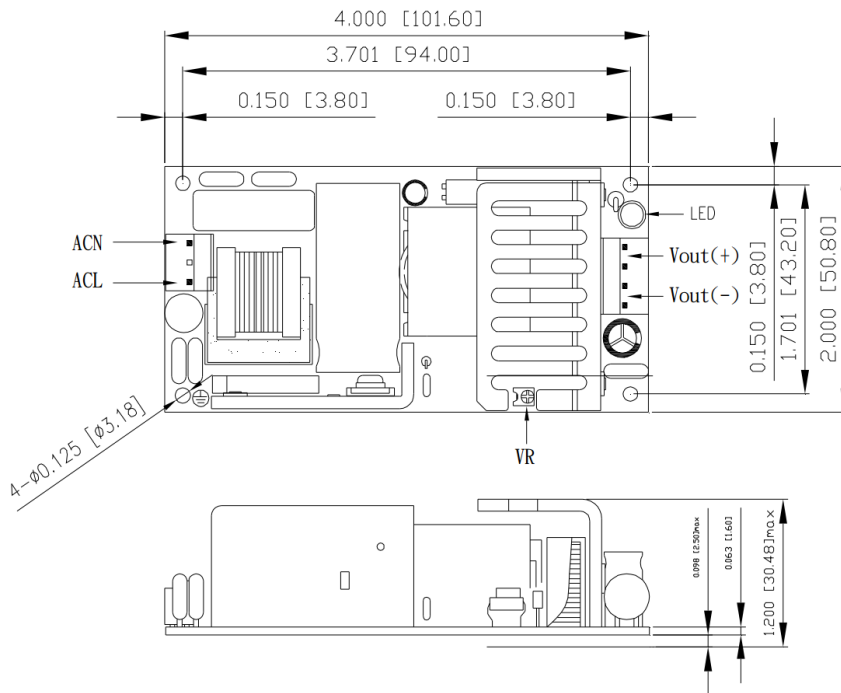
DVC40S090, DVC60S090, DVC60S120, DVC60S150, DVC60S240, DVC60S300, DVC60S360, DVC60S480



# Specifications

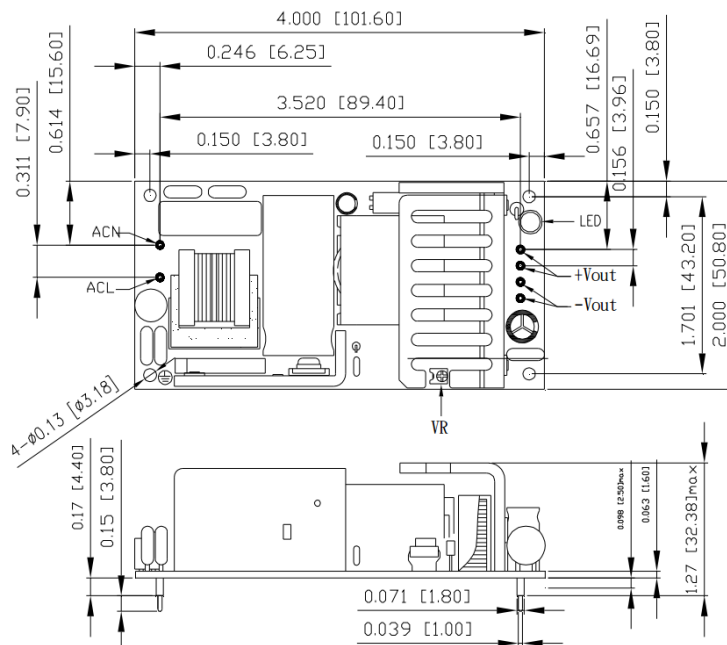
# Series DVC40/60

All Dimensions are in Inches (mm)  
 Tolerances:  $x.xxx \pm 0.02 (x.xx \pm 0.5)$  unless otherwise noted



# DVC40-P/DVC60-P (Pin Version)

All Dimensions are in Inches (mm)  
 Tolerances:  $x.xxx \pm 0.02 (x.xx \pm 0.5)$  unless otherwise noted



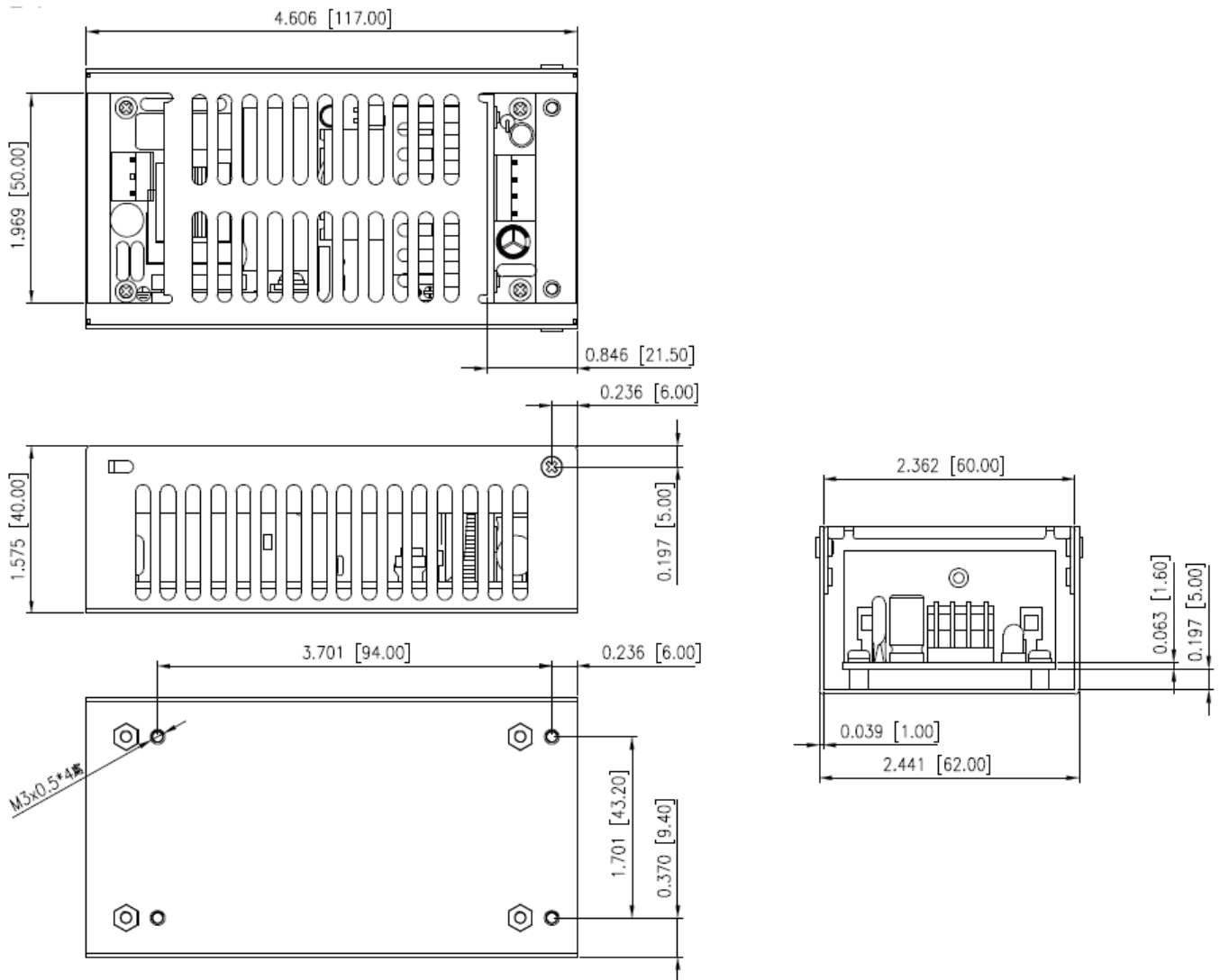
Technische Änderungen vorbehalten / Specifications are subject to change without notice

# DVC40-C/DVC60-C (Covered Version)

# Series DVC40/60

All Dimensions are in Inches (mm)

Tolerances:  $x.xxx \pm 0.02$  ( $x.xx \pm 0.5$ ) unless otherwise noted



Technische Änderungen vorbehalten / Specifications are subject to change without notice