



**60 Watt, Regulated  
AC/DC Modules, PCB mounting  
Series DVC60-CL**



**Features**

- Universal Input Range 90 – 264Vac
- Size 54,25 x 54,25 (mm)
- Meets EN55032 Class B / CIRSS/FCC Class B
- Continuous Short Circuit Protection
- Safety meets UL62368-1, IEC62368-1, EN62368-1
- Over Voltage Protection
- High Efficiency 90%
- Peak Load (2 times of rated current (Note 6))
- Class II

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT [A] MAX.	OUTPUT CURRENT [A] MIN.	RIPPLE & NOISE [mV]	VOLTAGE ACCURACY (Note 1) [%]	EFF. [%]	CASE
DVC60-05S8000CL	5	8	0	50	±1	86	CL
DVC60-12S5000CL	12	5	0	120	±1	88	
DVC60-15S4000CL	15	4	0	150	±1	88	
DVC60-24S2500CL	24	2,5	0	240	±1	89	
DVC60-36S1670CL	36	1,67	0	360	±1	90	
DVC60-48S1250CL	48	1,25	0	480	±1	90	

NOTE: for Peak Load Function, please add **-PL**, for example DVC60-24S2500CL-PL

### INPUT CHARACTERISTICS:

Input Voltage Range.....	90-264Vac
Inrush Current ( Cold start @ 25°C ).....	120A Max. @ 240Vac
Input Frequency .....	47 to 63Hz
Leakage Current.....	0,25mA max. @264Vac
Input Current .....	100Vac/1,6A max; 240Vac/0,8A max.

### GENERAL CHARACTERISTICS:

Efficiency.....	see table
Switching Frequency.....	65KHz typ.
Isolation Input/Output .....	3000VAC
Operating Temperature Range.....	-30°C to +70°C
Derating .....	see curve
Storage Temperature Range .....	-30°C to +85°C
Cooling.....	Natural Convection
Humidity .....	93% RH max. non condensing
MTBF (MIL-STD-217F, GB, 25°/115Vac) .....	300K hrs. min.
Altitude.....	5000m(UL62368-1), 3000m(IEC61558-1)

### OUTPUT CHARACTERISTICS:

Voltage Accuracy .....	±1,0% max.
Line Regulation (Note 3).....	±1,0% max.
Load Regulation (Note 4) .....	±1,0% max.
Hold-up Time.....	10mS typ. @ 115Vac
Short Circuit Protection.....	Hiccup Mode (Auto Recovery)
Over Voltage Protection (TVS) .....	TVS Component to Clamp
Start-up time.....	<3,0sec.

### SAFETY & EMISSION:

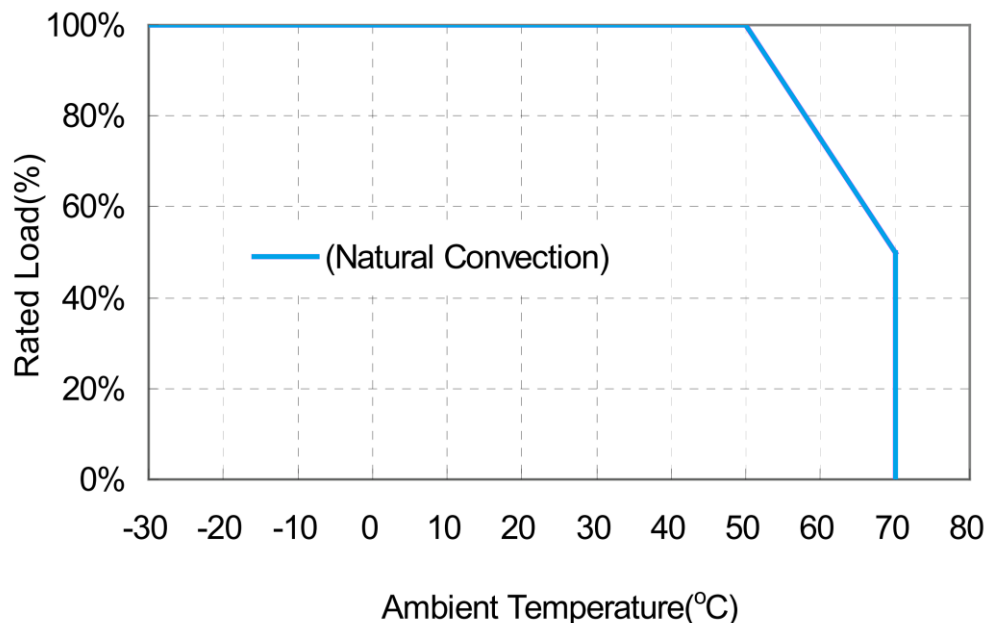
Emission and Immunity .....	EN55032 Class B, FCC Part 15 Class B
Safety.....	EN61000-3-2,EN6100-3-3, EN55024, EN61204-3, EN61000-6-1 meet EN62368-1, IEC62368-1, UL62368-1

### MECHANICAL SPECIFICATIONS:

Dimensions .....	54,25 x 54,25 x 35,80 (mm)
Weight.....	190 g

#### NOTE:

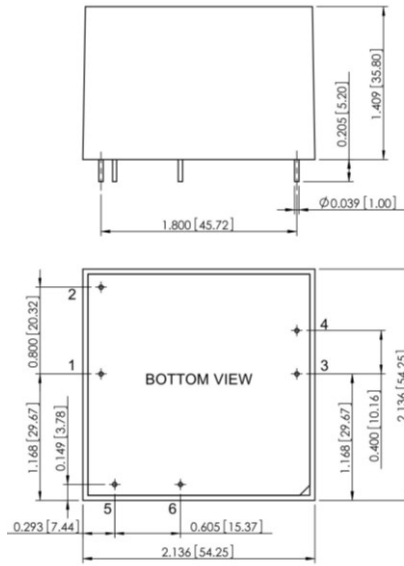
1. Voltage Accuracy is set of 100% rated load.
2. Add a 0,1µF ceramic capacitor and a 10 µF E.L. capacitor to output for Ripple & Noise Measuring @ 20MHz BW.
3. Line Regulation is measured from High Line to Low Line with Full Load.
4. Load Regulation is measured from 10% to 100% load.
5. Typical at 25°C, nominal line and 75% load, unless otherwise specified.
6. PL (Peak load function) last time < 10 seconds with a max. 10% duty cycle and must add external 100µF/400V capacitor to BC+ & BC-.



Unit: mm [inch]

Tolerance: Inches: x.xx=±0.02, x.xxx=±0.010

Millimeters: x.x=±0.5, x.xx=±0.25



Pin	Output
1	AC-N
2	AC-L
3	+Vout
4	-Vout
5	BC+
6	BC-