



AC → DC SWITCHING POWER SUPPLY

DAD1060D24I SERIES

All the patents are held accountable counterfeiting.

Features



Green Power

- Standard/Din Rail Mounting Dual Purpose, meet EU EN 43880 installation dimension standard 4SU
- Width only 70mm(4SU)
- -20~+70°C wide working temperature, optional -40 °C
- No minimum load required
- DC output adjustable(±10%)
- Cooling by free air convection
- Can be installed on din rail TS-35/7.5 or 15
- Protections: Short circuit / Overload / Over voltage
- 3KVac I/O isolation
- 3 years warranty

DIMENSIONS: 52.5(H)*90.7(D)*70(W)mm

WEIGHTS: 254g

Detail specifications

MODEL DAD1060D		24I-05	24I-12	24I-15	24I-24
OUTPUT	DC voltage	5V	12V	15V	24V
	Rated Current	10A	5A	4A	2.5A
	Current Range	0~10A	0~5A	0~4A	0~2.5A
	Rated Power	50W	60W	60W	60W
	Ripple&Noise(max.)	60mVp-p	75mVp-p	75mVp-p	100mVp-p
	Voltage Adj. Range	4.5~5.5V	10.8~13.2V	13.5~16.5V	21.6~26.4V
	Voltage Tolerance	±2.0%	±2.0%	±2.0%	±2.0%
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation	±1.5%	±0.5%	±0.5%	±0.5%
	Setup, Rise Time	120ms, 85ms at full load.			
	Hold Up Time(Typ.)	5ms@24Vac input			
	External Capacitance load(Max.)	6800μF	4700μF	3300μF	2200μF
INPUT	Voltage Range	19.2~32Vac			
	Efficiency(Typ.)	79%	83%	83%	83%
	AC Current(Typ.)	3A/24Vac			
	Inrush Current(Typ.)	35A/24Vac			
PROTECTION	Overload	105~135% rated output power.			
		Protection type: Recovers automatically after fault condition is removed.			
	Over Voltage	5.75~7V	13.8~16.2V	17.25~20.25V	28.8~34V
		Protection type: Shut down o/p voltage, re-power on to recover.			



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CE Standards

EN 55032, EN 61000-3-3,
(EN 61000-4-2, EN 61000-4-3,
EN 61000-4-4, EN 61000-4-5,
EN 61000-4-6, EN 61000-4-8),
IEC 62368-1(LVD),
Heavy Industry level, criteria A

Safety Standards



UL 508 Design
Reference



CE Marking

Environments

Operating Temperature

-20 ~ 70°C, Ambient

Operating Humidity

20 ~ 90% RH, No Condensing

Storage Temperature

-20 ~ 85°C, Ambient

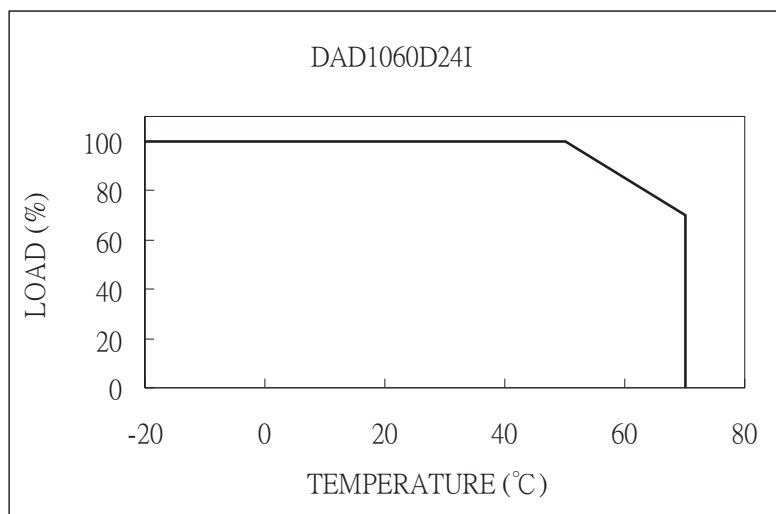
Vibration

2G, 10~500Hz, 3 axes

NOTE

1. Each output can provide up to maximum load, but total load can not exceed rated output power.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 20% to 100% of rated load at 24VAC input.
4. Ripple & Noise are measured with 20MHz oscilloscope at 24VAC by using a 20cm long 12" twisted pair-wire with a 0.1uF/630V metal capacitor & a 47uF electrolytic capacitor parallel on the test point.
5. Efficiency is measured at rated load and 24VAC input.
6. Hold-up time is measured at rated load and 24VAC input.
7. Output Voltage Adjustable is measured on 5% of rated load.
8. When placing an order, model name is composed of "series name" and "model name on top of the specification form". For example, model name of 24I-05 of the order on top of the specification form is DAD1060D24I-05.
9. Reign Power reserve the right to change specifications at any time without notice.

Derating Curve



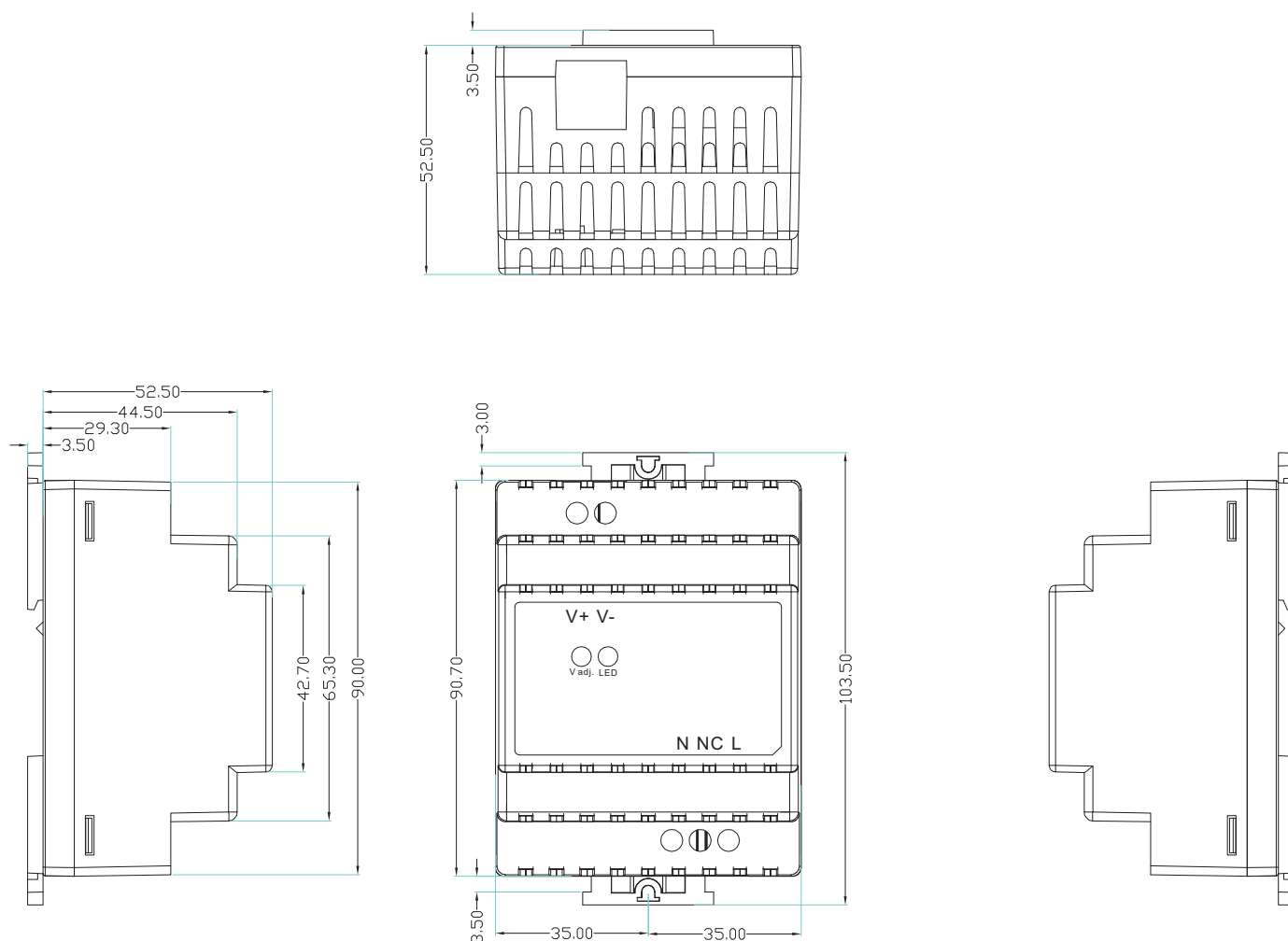


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Mechanical Details



Panel Designation

CASE NO. : DLP1100D

UNIT : mm

DIMENSION : 52.5(H)*90.7(D)*35(W)

MATERIAL : PLASTIC

COLOR : BLACK

Symbol	Description
N	Neutral Terminal Of AC Input (No Polarity At DC Input)
L	Line Terminal Of AC Input (No Polarity At DC Input)
NC	No Output Terminal
V-	DC Negative Output Terminal
V+	DC Positive Output Terminal
LED	Green LED Indicator
V adj.	Potentiometer For Output Voltage