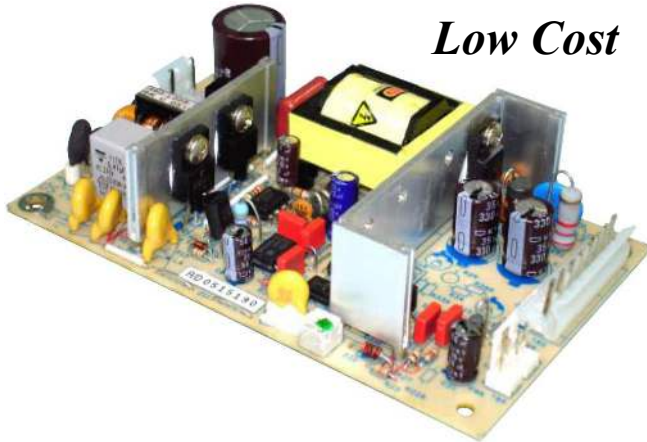


DY060 SERIES

**60 WATT POWER SUPPLY
 FOR MEDICAL AND INDUSTRIAL
 APPLICATIONS
 90 WATT PEAK CURRENT**



GENERAL SPECIFICATIONS

Input Voltage.....	90VAC to 264VAC
Input Frequency.....	47Hz to 63Hz
Inrush Current (cold).....	Less than 30A at 115VAC, 25°C
Operating Temperature.....	0 to 70°C de-rated 2.5%/°C >50°C
Storage Temperature.....	-40°C to 85°C
Cooling.....	Free Air Convection
Efficiency.....	78% to 87%
Holdup Time.....	>16ms at 115VAC
Oversvoltage Type.....	Latch Off
Overload Protection.....	Auto recovery
Short Circuit Protection.....	Auto recovery
Earth Leakage.....	<300µA Max @ 240VAC
Designed in full compliance with	UL 60950-1, UL 60601-1, CSA 22.2 #60950-1,601.1 EN60950-1,EN60601-1
EMI	FCC "B" EN55022 "B", EN55011 "B"
EMS.....	EN61000-4-2,-3,-4,-5,-6,-8,-11
Harmonics.....	EN61000-3-2 Class A

DESCRIPTION

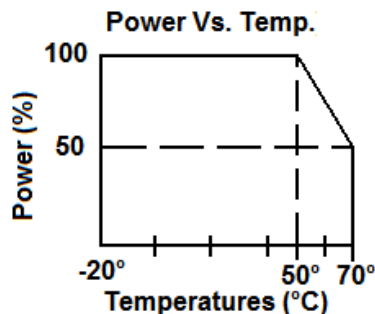
DY060 series is a universal input multiple output power supply. The series is a 60 Watt power supply in the size of 2.5" x 4.5" with a wattage density of 4.2W/in³. The efficiency can reach up to 78-87% depending on model.

FEATURES

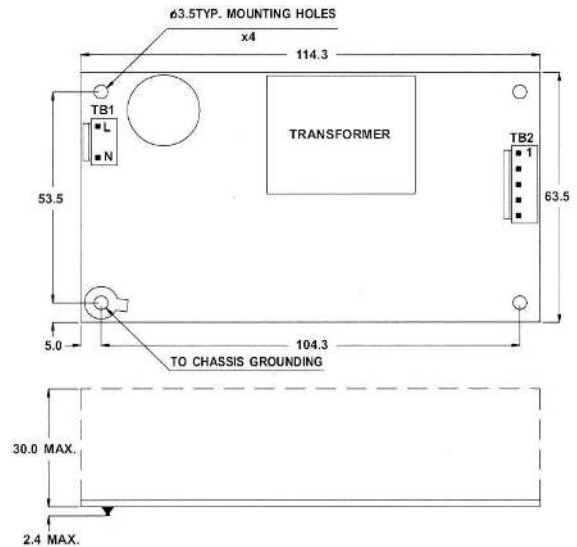
- EMI FCC Class B
- No Minimum Load Required
- Single and Multiple Output
- Universal input 90VAC to 264VAC
- Low Leakage Current
- Double Fused

APPLICATIONS

- Computer Peripherals
- Telecommunications
- Tape Drives
- Test Instrumentation Product
- Data Acquisition
- Medical & Dental



MECHANICAL SPECIFICATIONS



Connector:
 AC input : JST B3P-VH Remove 1 pin Size: 63.5mm x 114.3mm x 30mm
 or equivalent 2.5" x 4.5" x 1.18"
 DC output : Single output: Mounting Holes:
 JST B4P-VH or equivalent 53.5mm x 104.3mm
 Multiple Output 2.1" x 4.1"
 JST B6P-VH . or equivalent

OUTPUT SPECIFICATIONS

Model	Watts	Voltage (Vdc)	Output Rated (A)				Voltage Tolerance ±	Ripple & Noise Pk to Pk	Regulation	
			Min.	Rate	Max	Peak			Line	Load
DY060-1	60	+5V	0	3	5	7	±1%	1%	±1%	±3%
		+12	0	3	4	6	±5%	1%	±1%	±3%
		-12	0	0.3		-	±5%	1%	±1%	±5%
DY060-6	60	+5V	0	10		15	±1%	1%	±1%	±1%
DY060-7	60	+12V	0	4.8		7.5	±1%	1%	±1%	±1%
		+5V	0	0.5		1	±5%	1%	±1%	±1%
DY060-7-1	60	+12V	0	5		7.5	±1%	1%	±1%	±1%
DY060-8	60	+15V	0	3.8		6.0	±1%	1%	±1%	±1%
		+5V	0	0.5		1	±5%	1%	±1%	±1%
DY060-8-1	60	+15V	0	4.0		6.0	±1%	1%	±1%	±1%
DY060-9	60	+24V	0	2.4		3.8	±1%	1%	±1%	±1%
		+5V	0	0.5		1	±5%	1%	±1%	±1%
DY060-9-1	60	+24V	0	2.5		3.8	±1%	1%	±1%	±1%
DY060-14	60	+48V	0	1.25		1.9	±1%	1%	±1%	±1%
DY060-D	60	+3.3V	0	5		7	±1%	1%	±1%	±3%
		+5V	0	4		5.5	±5%	1%	±1%	±3%
		+12V	0	1		-	±5%	1%	±1%	±5%
DY060-11	60	+5V	0	3	5	7	±1%	1%	±1%	±3%
		+24V	0	1.5	2	3	±5%	1%	±1%	±3%
		+12V	0	0.3			±5%	1%	±1%	±5%

Note: Contact factory for Safety Agency Approved status.

- Each output can provide up to peak load temporarily. Continuous operation at greater than rated load is not allowed.
- At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
- Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- Load regulation is defined by changing ±40% of measured output load from 60% rated load.
- The ripple and noise is measured by using 15MHz bandwidth limited oscilloscope. Each output is terminated with a 0.47 µF capacitor at rated load and nominal line.
- Hold up time is measured from the end of the last charging pulse to the time when the main output drops down to 95% output voltage at rated load and nominal line.
- Efficiency is measured at rated load.

DY060 SERIES 60 WATT— PIN ASSIGNMENT

Model \ Pin	1	2	3	4	5	6
DY060-1	+5V	+5V	GND	GND	+12V	-12V
DY060-6	+5V	+5V	+5V	GND	GND	GND
DY060-7	+12V	+12V	GND	GND	+5V	NC
DY060-7-1	+12V	+12V	GND	GND		
DY060-8	+15V	+15V	GND	GND	+5V	NC
DY060-8-1	+15V	+15V	GND	GND		
DY060-9	+24V	+24V	GND	GND	+5V	NC
DY060-9-1	+24V	+24V	GND	GND		
DY060-14	+48V	+48V	GND	GND		
DY060-D	+3.3V	+3.3V	GND	GND	+5V	+12V
DY060-11	+5V	+5V	GND	GND	+24V	+12V

ENCLOSURES (optional)
EUS

ECS


Our Standard power supplies, the DY060 Series, can be installed into a fully-enclosed chassis or in a 'U' shape chassis as an option. These options offer two mounting planes. The fully enclosed option helps to reduce radiated noise.

Example Part Number:
 DY060-9ECS or DY060-9EUS

*Note DY040 pictured in chassis