



Features

- High Input voltage 100-1000V
- Highly reliable in harsh conditions
- Typical Efficiency 85%
- Meets EN60950,RoHS 5/6
- Surge, OC, OV, SC protected
- 1 year warranty

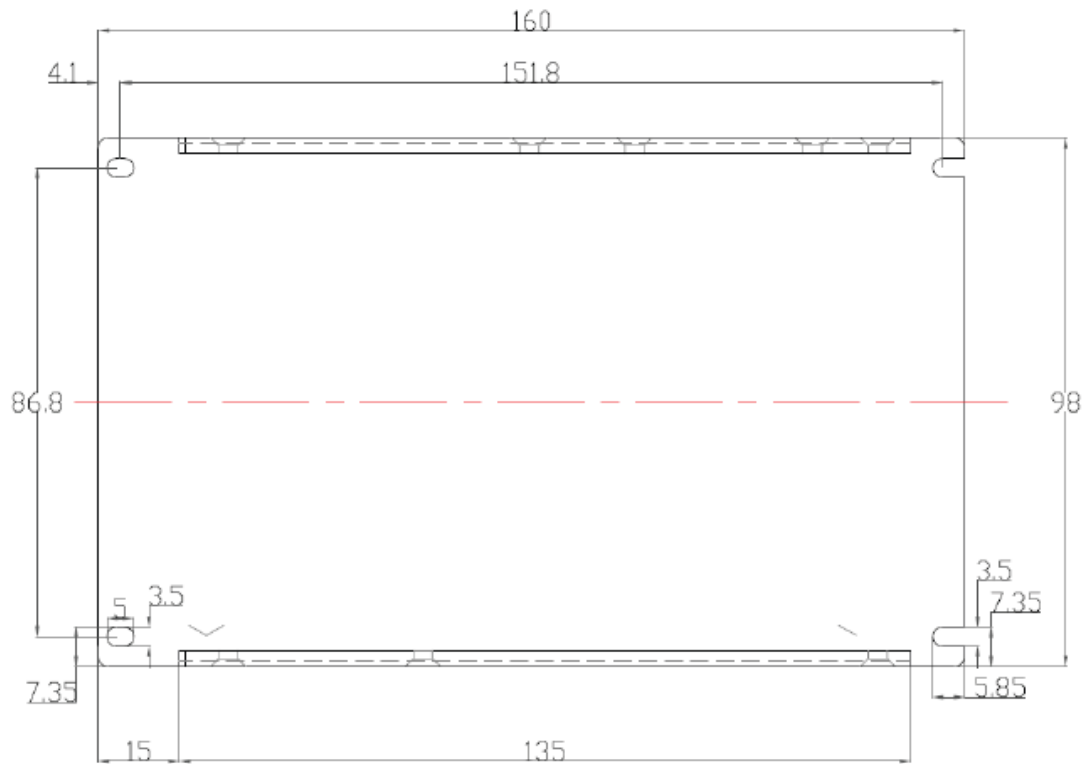


SPECIFICATIONS

MODEL		R100S24-600	R100S24-1000
INPUT	MEAN VOLTAGE	350V	600V
	VOLTAGE RANGE	100 – 600V DC	200 – 1000V DC
OUTPUT	VOLTAGE	24V DC	
	CURRENT	0 – 4.2A	
	MAX OUTPUT POWER ⁽¹⁾	100W	
	RIPPLE P-P	100mV	
	TYPICAL EFFICIENCY	85%	
	LOAD REGULATION	0.4%	
	LINE REGULATION	0.2%	
	DYNAMIC RESPONSE	±5.0/500µs%	
PROTECTION	START TIME DELAY	≤5s	
	SHORT CIRCUIT	110-130% of rated output	
	INPUT UNDER VOLTAGE	YES	
	REVERSE INPUT	NO	
ENVIRONMENT	TEMP. COEFFICIENT	±0.02% / °C	
	OPERATING TEMP.	-25°C to 65° C. Maximum case temperature allowed 100°C.	
	STORAGE HUMIDITY	10% TO 95%	
	SHIPPING & STORAGE	-40°C to 85°C, Relative Humidity: 10% to 95%	
	INSULATION	Input-Output Input-Case Output-Case: 100M Ohm @500V	
	NOISE	≤ 55dB (full load)	
	ESD	Level 3, Direct ±6KV; Air ±8KV	
STANDARDS	SURGE	Differential 2KV; Common 4KV	
	SAFETY	EN 60950	
DIMENSIONS	RoHS	5/6	
	Metric: L x W x H (mm)	160 x 98 x 40	
WEIGHT	Imperial: L x W x H (inches)	6.3 x 3.86 x 1.57	
	Metric: Grams (g)	~600	
OTHERS	Imperial: Ounces (oz)	21	
	ISOLATION VOLTAGE	Input – Output	(3000V DC ≤10mA/1min)
		Input – Case	(1500V DC ≤10mA/1min)
Output – Case		(500V DC ≤10mA/1min)	
MTBF	100,000Hrs		
NOTE	1. Within operating temperature conditions the unit performs at 100% of the Max output power. The % of maximum output rapidly declines after 65° C to 0% at 80° C.		



Enclosure Drawing / Dimensions



Application Example Schematic using the R100 Series DC/DC Converter

