

LRS-300E



Features

- Protections: Short circuit / Overload / Over voltage / Over temperature
- · Forced air cooling by built-in DC fan
- · Built-in cooling Fan ON-OFF control
- 1U low profile
- Withstand 5G vibration test
- · LED indicator for power on
- No load power consumption<0.75W
- · 100% full load burn-in test
- High operating temperature up to $70^\circ C$
- · Operating altitude up to 5000 meters (Note.8)
- High efficiency, long life and high reliability

Applications

- Industrial automation machinery
- Industrial control system
- Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus

Description:

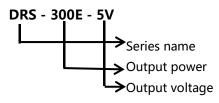
DRS-300E is a 300W single-output enclosed type power supply with 30mm of low profile design. Adopting the input of 230VAC, provide an output voltage of 5V.

In addition to the high efficiency up to 90%, the design of mesh case enhances the hear dissipation of DRS-300E that whole series operates from -25°C to 70°C under air convection without a fan.

Delivering and extremely low no load power consumption (less than 0.75W), it allows the end system to easily meet the worldwide energy requirement.

DRS-300E serves as a high price-to-performance power supply solution for various industrial applications.

Model Encoding:





300W Single Output Switching Power Supply

DRS-300E

MODEL		DRS-300-5		
OUTPUT	DC VOLTAGE	5V		
	RATED CURRENT	60A		
	CURRENT RANGE	0~60A		
	RATED POWER	300W		
	RIPPLE & NOISE (max.) Note.2	150mVp-p		
	VOLTAGE ADJ. RANGE	4.5~5.5V		
	VOLTAGE TOLERANCE Note.3	±3.0%		
	LINE REGULATION Note.4	±0.5%		
	LOAD REGULATION Note.5	±2.0%	j.	
	SETUP, RISE TIME	1500ms, 50ms/230VAC		
	HOLD UP TIME (Typ.)	16ms/230VAC		
INPUT	VOLTAGE RANGE	180 ~ 264VAC		
	FREQUENCY RANGE	60Hz		
	EFFICIENCY (Typ.)	88%		
	AC CURRENT (Typ.)	2.2A/230VAC		
	INRUSH CURRENT (Typ.)	COLD STAR 60A/230VAC		
	LEAKAGE CURRENT	<2mA/ 240VAC		
PROTECTION	OVER LOAD	110 ~ 140% rated output power		
		Protection type : Hiccup mode, recovers automatically after fault condition is removed		
	OVER VOLTAGE	5.75 ~ 6.75V		
		Protection type : Hiccup mode, recovers automatically after fault condition is removed		
	OVER TEMPERATURE	Hiccup mode, recovers automatically after fault condition is removed		
ENVIRONMENT	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")		
	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)		
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes		
SAFETY	WITHSTAND VOLTAGE	I/P-0/P:3KVAC I/P-FG:2KVAC 0/P-FG:0.5KVAC		
	ISOLATION RESISTANCE	I/P-0/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH		
OTHERS	MTBF	347.5K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	215*115*30mm (L*W*H)		
	PACKING	0.76Kg; 30pcs/22.8Kg/0.78CUFT		

