

Features

- Input Voltage Range
90-264V AC
- No-load power
consumption <
0.1 W
- Operating
Temperature Range: -
30°C~+70°C
- Efficiency up to 83%
- EN/IEC/UL 62368-1
Safety Standards
- Protections: SCP,
OLP, OVP
- Three Years Warranty

RS PRO Enclosed AC/DC

RS Stock No.: 0813958

0813959

0813960

0813961

0813902

0813903

0813904



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

- This RS Series is a regulated and reliable 10W Enclosed AC/DC Power Supply.
- Designed for use in applications such as system-critical media and control infrastructure.
- This series is supplied with a Pin Connection input connection and supports input voltages of 90~264V AC 50~60Hz.

Electrical Specifications

RS Stock#	Input Voltage	Output Voltage	Output Current	Output Wattage	Efficiency (Typ)	Ripple & Noise (mVp-p)
0813958	90-264VAC	5 V	1 A	5 W	71.0%	200
0813959	90-264VAC	12 V	0.42 A	5W	75.0%	200
0813960	90-264VAC	24 V	0.23 A	5.5 W	77.0%	200
0813961	90-264VAC	5 V	2 A	10 W	77.0%	200
0813902	90-264VAC	12 V	0.85 A	10.2 W	82.0%	200
0813903	90-264VAC	15 V	0.67 A	10.1 W	82.0%	200
0813904	90-264VAC	24 V	0.42 A	10.1 W	83.0%	200

Input Specifications

Input Voltage	90-264VAC
Frequency Range	50/60Hz
AC Current	Up to 5.5W 0.12A/115VAC, 0.08A/230VAC, 0.06A/277VAC 8.25 - 10W 0.25A/115VAC, 0.15A/230VAC, 0.125A/277VAC
Inrush Current	COLD START 20A/115VAC 40A/230VAC
Leakage Current	< 0.25mA/277VAC

Output Specifications

Voltage Tolerance	±2.5%
Line Regulation	±0.3%
Load Regulation	±0.5%
Set up & Rise Time	1000ms, 30ms/230VAC 1000ms, 30ms/115VAC at full load
Hold up Time	40ms/230VAC 8ms/115VAC at full load

Protection Specifications

Over Load	115% ~ 190% Rated Output current
	Protection type: Hiccup Mode recovers automatically after fault condition is removed
Over Voltage	115~135% Rated Output Voltage
	Protection Type: Clamp by Zener Diode

Environmental

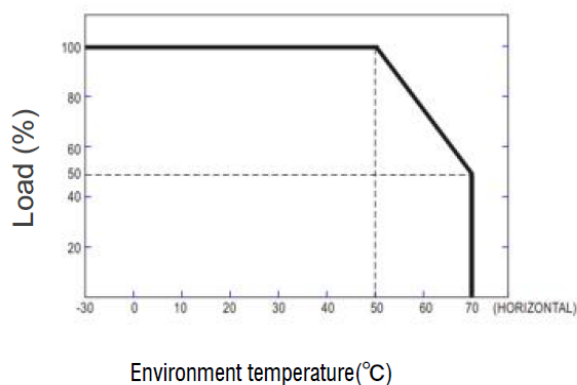
Working TEMP.	-30~+70°C (Refer to "Derating Curve")
Working Humidity	20~90% RH non-condensing
Storage TEMP. Humidity	-30~+85°C, 10~95% RH non-condensing
TEMP. Coefficient	±0.03%/°C (0~60°C)
Vibration	10 ~ 500Hz, 5G 10min. /1cycle, period for 60min. each along X, Y,Z axes

Safety & EMC

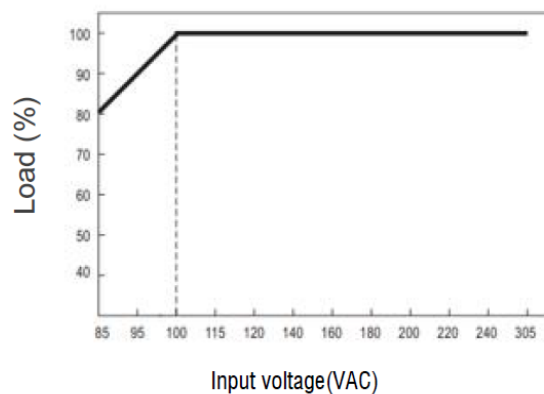
Safety Standards	EN62368-1 safety approval
Withstand Voltage	I/P-O/P:3.00KVAC/1min
EMC Emission	EN55032(CISPR32), CNS13438, EN61000-3-2 Class A, EN61000-3-3
MTBF	> 9000K hrs min.
Size	45.7 x 25.4 x 21.5 mm

Electrical Drawing

**Deduction curve
and temperature**



**Minus output
and input voltage curves**



fosc : 65KHz

