

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.:

0813953

0813954

0813955

0813956



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)
0813953	90-264VAC	5 V	3 A	15 W	78 %	150
0813954	90-264VAC	12 V	1.25 A	15 W	82 %	150
0813955	90-264VAC	15 V	1 A	15 W	82 %	180
0813956	90-264VAC	24 V	0.63 A	15.12 W	83 %	180

Input Specifications

Input Voltage	90~264VAC
Frequency Range	50/60Hz
AC Current	15W 0.35A/115VAC 0.2A/230VAC 0.17A/277VAC
Inrush Current	COLD START 20A/115VAC 40A/230VAC
Leakage Current	< 0.25mA/277VAC

Output Specifications

Voltage Tolerance	±2.0%
Line Regulation	±0.3%
Load Regulation	±0.5%
Set up & Rise Time	1500ms, 30ms/230VAC 1500ms, 30ms/115VAC at full load
Hold up Time	40ms/230VAC 10ms/115VAC at full load

Protection Specifications

Over Load	115~160% Rated Output Power
	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

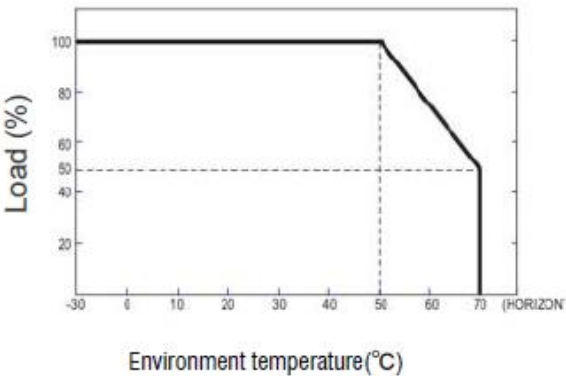
Working TEMP.	-30~+70°C (Refer to "Derating Curve")
Working Humidity	20~90% RH non-condensing
Storage TEMP. Humidity	-30~+85°C, 10~95% RH non-condensing
TEMP. Coefficient	±0.03%/°C (0~60°C)
Vibration	10 ~ 500Hz, 5G 10min. /1cycle, period for 60min. each along X, Y, Z axes

Safety & EMC

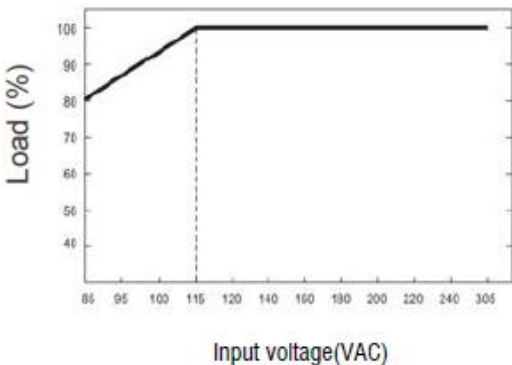
Safety Standards	IEC62368-1, TUV EN62368-1, EAC TP TC 004, -1 approved
Withstand Voltage	I/P-O/P:3KVAC
EMC Emission	EN55032(CISPR32), CNS13438, EN61000-3-2 Class A, EN61000-3-3
MTBF	> 7000K hrs min.
Size	52.4 x 27.2 x 24 mm

Similar Products

Deduction curve and temperature



Minus output and input voltage curves



fosc : 65KHz

