

RADWIN

AC Power Supply 480W

Data Sheet



RW-9921-0086

Product Description

- » RW-9921-0086 AC power supply provides 54V DC output voltage with up to 480Watt output rated power and supports wide range AC input voltage from 90-240VAC.
- » The RW-9921-0086 AC power supply is compatible with IDU-S.

Product Highlights

- » Carrier class AC power supply
- » High Efficiency (up to 95%)
- » Wide operating temperature range
- » Short Circuit/Overload and Overvoltage and Over temperature protection
- » Standard IEC320 C14 AC inlet
- » Country specific AC cable is bundled per PN

Product Specifications:

Output

Output Voltage (Typical)	54V
Output Current (Typical)	8.9A
Rated Power	480.6W
Status LED Indicator	Yes

Input

Voltage Range	90 to 350VAC 127-230VDC
Frequency Range	47-63 Hz
Efficiency (Typical)	95%
AC Current	5A/ 115VAC, 2.45A/ 230VAC, 2A/227VAC
Inrush Current (Max)	COLD START 35A/ 230VAC
Leakage Current (Max)	<0.75mA/ 277VAC

Protections

Over Current	Constant current limiting, recovers automatically after fault condition is removed
Over Voltage	60~70V Shut down o/p voltage, re-power on to recover
Short Circuit	Constant current limiting, recovers automatically after fault condition is removed
Over temperature	Shut down o/p voltage, re-power on to recover

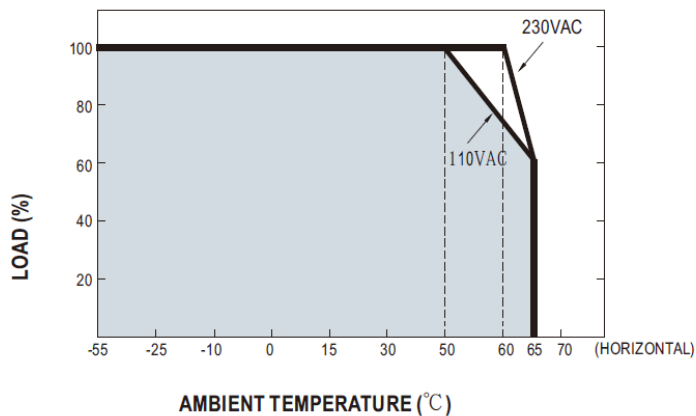
Environmental

Operating Temperature	-55 to +65 deg C (refer to derating curve *)
Storage Temp., Humidity	60 ~ +80°C, 10 ~ 95% RH non-condensing
Humidity	20% ~ 95% RH non-condensing
Vibration	20 ~ 500Hz, 10G 12min./1cycle, period for 72min. each along X, Y, Z axes

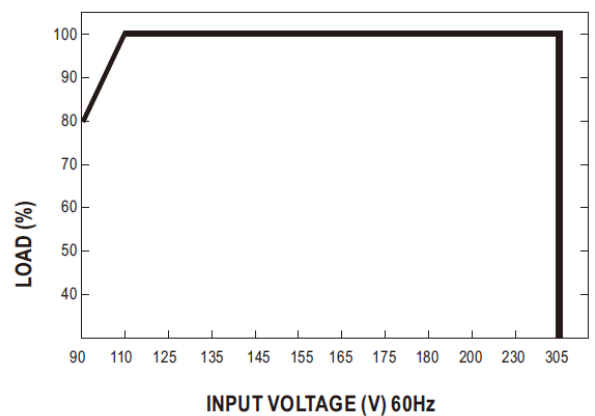
Other

Dimension	262*125*43.8mm (L*W*H)
Weight	2.8Kg

Derating Curve



Static Characteristics



Regulatory compliance:

Safety

Safety Standards	UL62368-1, IEC/EN62368-1, IP65 (or IP68 for HEP-480 Blank-Type), EAC TP TC 004 approved ;
Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH

EMC

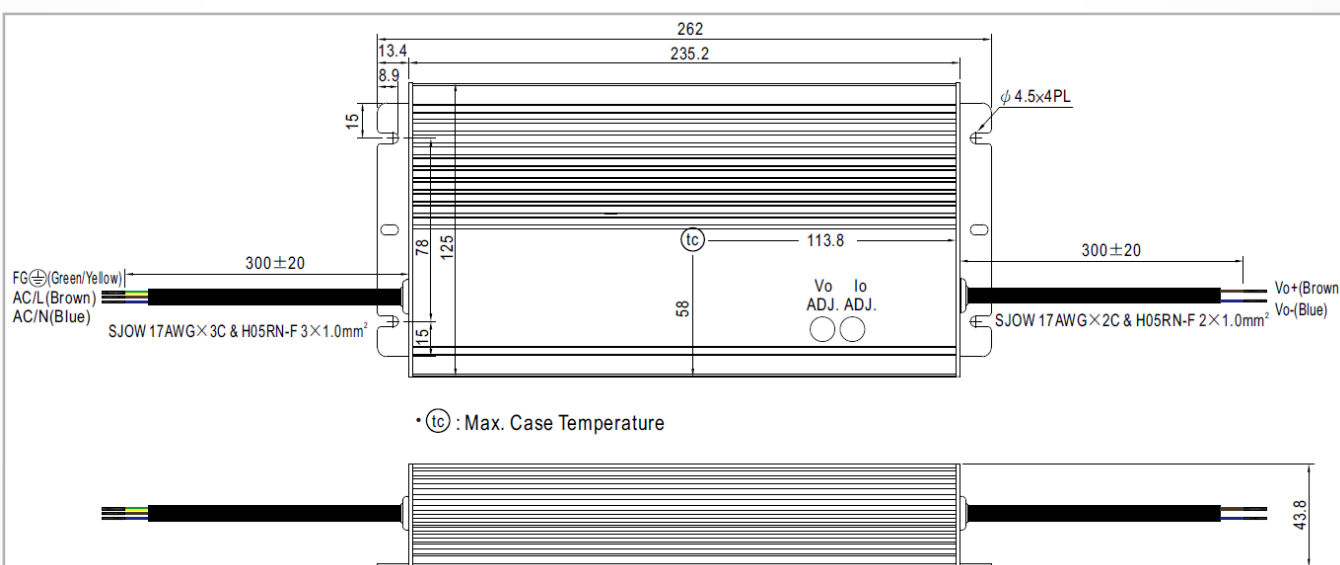
Emission	EN55032 (CISPR32) Class B, EN61000-3-2,-3, EAC TP TC 020
Immunity	EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level (surge 6KV), criteria A, EAC TP TC 020

Other

MTBF	89.8K hrs min. MIL-HDBK-217F @ 25 deg C
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Mechanical information:

The product is provided with a C14 Socket as standard



Example of C14 socket type
supplied attached to the unit:

