

■ Features

- Single output to 240W
- Input voltage range: 90-264V
- Output current(5000mA-18000mA)
- Efficiency to 93%
- Power factor >0.95@ full load over the entire input range
- Protections: OVP, SCP, OTP and OLP
- Start up time < 2 sec @ full load over entire input range
- Single phase input
- Cooling by free air convection
- UL 508 approved(E522848)
- LED indicator for DC low
- 3-year warranty



■ Applications

- Process control
- Factory automation
- Traffic & Transportation system
- Other industrial applications

*Product images are for illustrative purposes only and may vary from actual design.

■ Model List*(See part number scheme for model number details)

Model Number	Input Voltage	Output Power	Output Voltage	Output Adj Range	Output Current	Efficiency	Ripple	Certificates
APS-RPS240-12-CU	90–264Vac	216W	12V	12-14V	0-18A	90%	<1 % of Vout	UL/cUL/CE
APS-RPS240-24-CU	90–264Vac	240W	24V	24-28V	0-10A	93%	<1 % of Vout	UL/cUL/CE
APS-RPS240-48-CU	90–264Vac	240W	48V	48-56V	0-5A	93%	<1 % of Vout	UL/cUL/CE

■ Technical Data

Input Voltage	90-264Vac
Input Frequency	50/60Hz
Input Current	2.4A@115Vac, 1.2A@230Vac
Inrush Current	60Amps; Measured @264Vac, 25°C Ambient, Cold start
Leakage Current	< 1mA; 264Vac input
Voltage Tolerance	± 1 %
Line Regulation	± 1 %
Load Regulation	± 1 %
Turn On Time	< 2 sec @230Vac & < 3 sec @115Vac, Full load
Hold Up Time	>25ms @230Vac & >16ms @115Vac, Full load
Rise Time	< 100ms
Overload Protection	110-140% of rated output current; Hiccup type, Auto recovery
Overvoltage Protection	Latched type; Input AC power to be recycled to recover the power supply

Technical Sales / Customer Service: +1-818-338-7788 • Email: sales@autec.com

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • www.autec.com

October 28, 2022

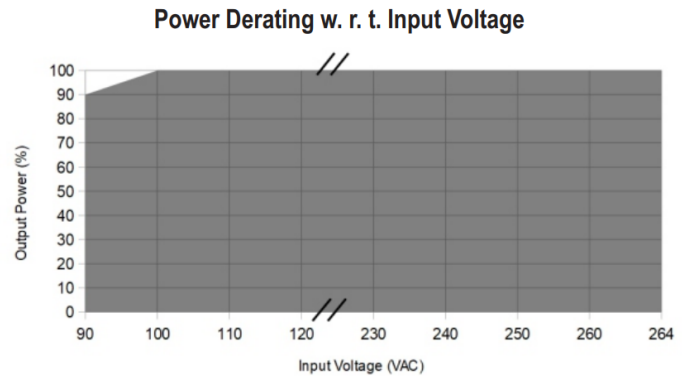
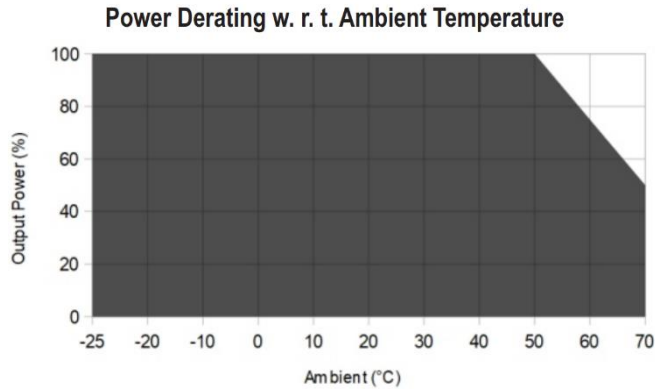
■ Technical Data(cont.)

Short Circuit Protection	Hiccup mode when output is shorted; Auto recovery type
Over Temperature Protection	The power supply shuts down when the temperature of PCB below main transformer reaches typically 120°C; Turns on only after the temperature falls below 90°C typically and AC power is recycled thereafter
DC OK Signal	Contact Rating : 30Vdc 1A; 60Vdc 0.5A; 125Vac 0.5A; resistive load, min. current 1mA [Contact closes @ 11.5V (typ.) Contact opens @ 11V (typ.)12V] [Contact closes @ 23.0V (typ.) Contact opens @ 22.5V (typ.)24V] [Contact closes @ 46.0V (typ.) Contact opens @ 45.0V (typ.)48V]
Operating Temp	- 25°C to + 70°C; De-rate linearly above 50°C from 100% load at 50°C to 50% load at 70°C, - 25°C to 0°C startup is guaranteed with specification deviation (Output ripple can be more than 10 % of the output voltage.)
Storage Temp	- 40°C to + 85°C
Cooling	Natural convection cooled
Humidity	5 to 95 % RH, Noncondensing
Altitude	2000m
Vibration	Component: 10 ~ 500Hz, 2G 10min. /1 cycle, the period for 60 min. each along the X, Y, Z axes
Dimensions	50x136x135mm
Weight	645g
Mounting	35mm DIN rail

■ Safety and EMC Approval

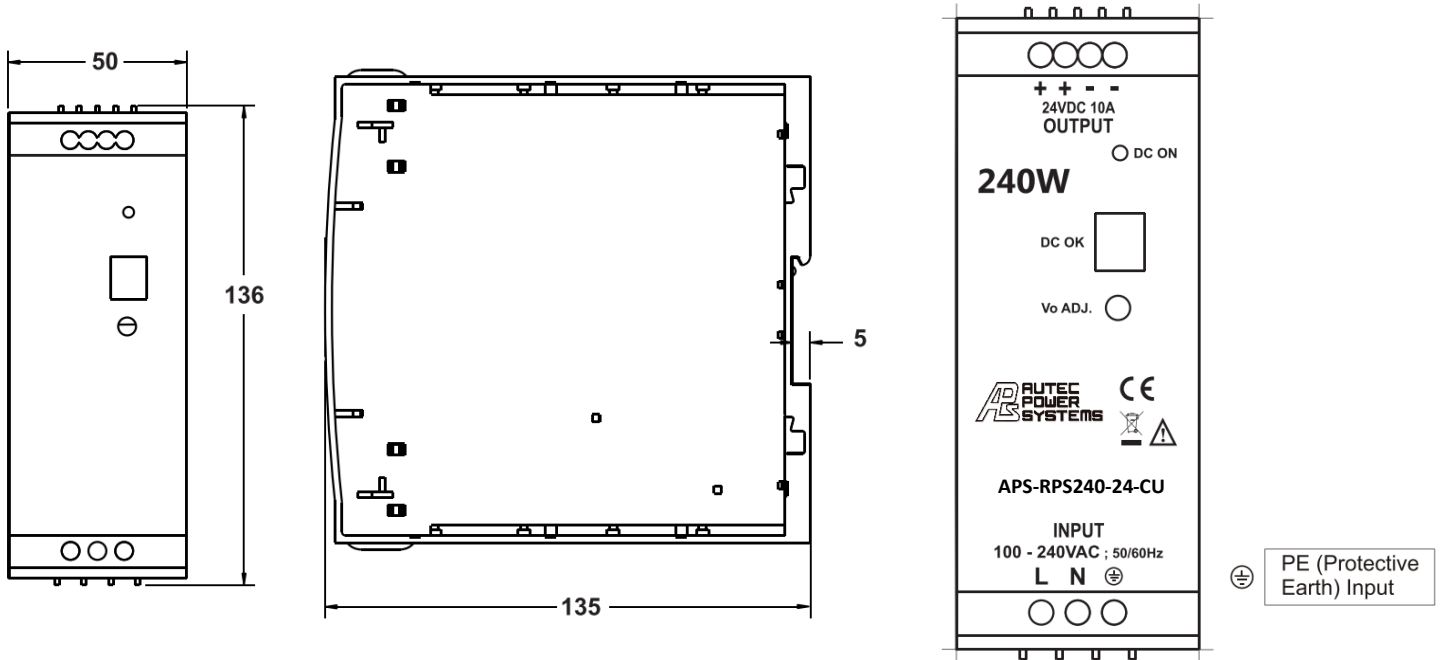
Safety	IEC 62368-1
Dielectric With Stand Voltage	I/P to Earth: 2500Vac, I/P to O/P: 4000Vac, O/P to Earth: 1500Vac, O/P to DC-OK: 500Vac
Conducted Emission	CISPR11 Class A
Radiated Emission	CISPR22 Class A
Electrostatic Discharge	IEC 61000-4-2 Level 4, Criteria A Level 3, Criteria A
Radiated Susceptibility	IEC 61000-4-3 Level 3, Criteria B
Electrical Fast Transient / Burst	IEC 61000-4-4 Level 3, Criteria A
Surge	IEC 61000-4-5 Level 3, Criteria A
Conducted Susceptibility	IEC 61000-4-6 Level 3, Criteria B
Power Frequency Magnetic Field	IEC 61000-4-8 Level 4, Criteria A
Voltage Dips & Interruption	IEC 61000-4-11 Criteria A & B

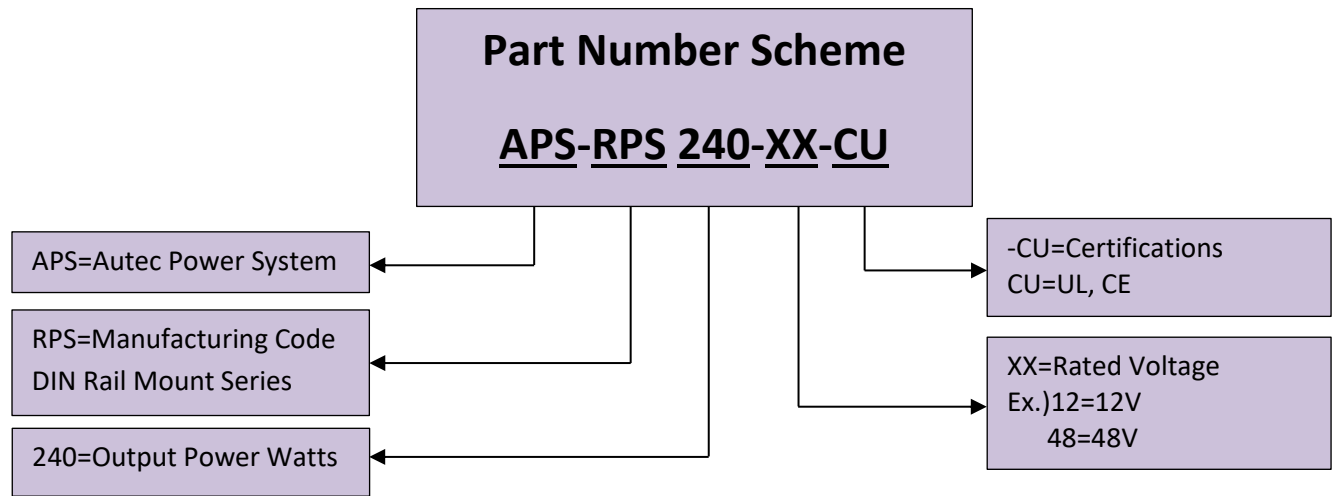
■ Derating Curve



■ Mechanical Diagram

■ Unit:mm





***Product images are for illustrative purposes only and may vary from actual design.**

***Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.**