

## Features

- Wide Input Range AC 90 V to 264 V
- No Load Power Consumption Less Than 0.3 W
- Low Ripple & Noise
- Class I Power Supply
- 2-MOPP
- 1 Year Warranty



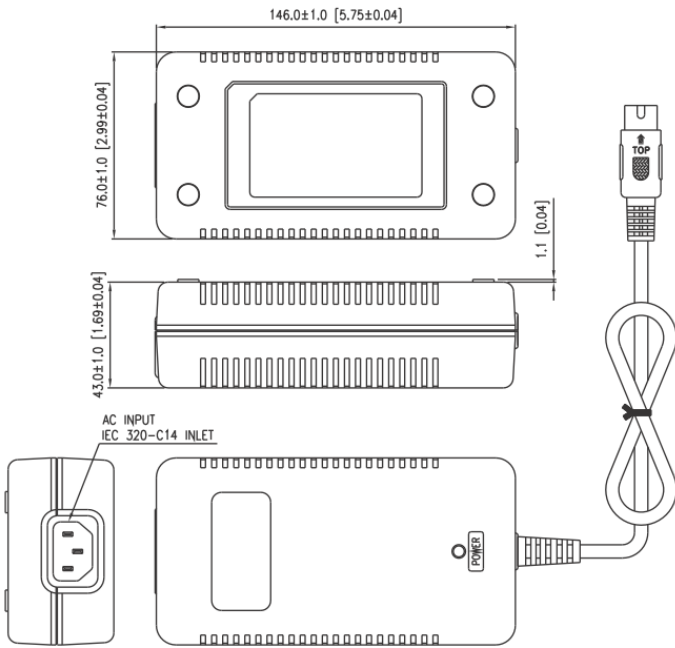
**Dimensions:** 146 mm x 76 mm x 43 mm (EU Version)

**Efficiency Level:** ErP Stage 2, CEC Level V

**Marks / Approvals:** CB CE GS UL FC CCC PSE

## Specifications

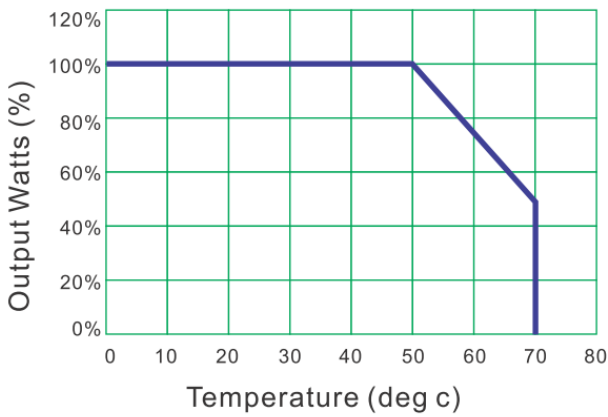
	MODEL	Voltage	min. Load	max. Load	Max. Power	Total Regulation
OUTPUT	MPU 64-102	5 V	0.0 A	9.00 A	45 W	7 %
	MPU 64-103	7 V	0.0 A	7.85 A	55 W	7 %
	MPU 64-104	9 V	0.0 A	6.44 A	58 W	5 %
	MPU 64-105	12 V	0.0 A	5.25 A	63 W	5 %
	MPU 64-106	15 V	0.0 A	4.20 A	63 W	5 %
	MPU 64-107	18 V	0.0 A	3.50 A	63 W	5 %
	MPU 64-108	24 V	0.0 A	2.62 A	63 W	3 %
	MPU 64-109	30 V	0.0 A	2.10 A	63 W	3 %
	MPU 64-110	36 V	0.0 A	1.75 A	63 W	3 %
		<b>Ripple &amp; Noise</b>	1 % x V p-p max. for output voltage @ full load			
INPUT	<b>Voltage</b>	AC 90 V – 264 V				
	<b>Frequency</b>	47 Hz to 63 Hz				
	<b>Current (rms max)</b>	100 V (AC): 0.98 A – 1.33 A max. • 240 V (AC): 0.47 A – 0.63 A				
	<b>Leakage Current</b>	0.1 mA @ 2 pins				
PROTECTION	<b>Over Current</b>	Yes, 110 % – 150 %				
	<b>Overvoltage</b>	Yes, 112 % – 132 %				
	<b>Short Circuit</b>	Yes				
	<b>Isolation Resistance</b>	50 MΩ min.				
	<b>No Load Operation</b>	Yes, to protect the power supply and system from damage				
OTHERS	<b>Cooling</b>	Free air convection				
	<b>Temperature Coefficient</b>	± 0.04 % / °C				
	<b>Operating Altitude</b>	Up to 3000 m above sea level				
	<b>Startup Time</b>	0.3 s – 2 s				
	<b>Efficiency</b>	77 % – 88 %				
	<b>Withstand Voltage</b>	DC 6868 V Primary – Secondary • DC 2121 V Primary – PE				
	<b>Transient Response</b>	4 ms for 50 % load change typical				
ENVIRONMENT	<b>Holdup time</b>	16 ms @ full load				
	<b>Temperature</b>	Operating: 0 °C to 70 °C (derating applicable) / Storage: -40 °C to 85 °C				
CONNECTION	<b>Humidity</b>	Operating: 0 % RH to 95 % RH / Storage: 0 % RH to 95 % RH				
	<b>Input</b>	IEC 60320 C14 inlet				
	<b>Output</b>	<b>DC plug:</b> DIN Plug <b>DC cord:</b> MPU 64-102 – MPU 64-103: AWG#16 / 5C / 4FT MPU 64-104 – MPU 64-107: AWG#16 / 2C / 4FT MPU 64-108 – MPU 64-110: AWG#18 / 2C / 6FT				
MTBF	100,000 Calculated Hours at 25°C, by MIL-HDBK-217F					
SAFETY	ANSI / AAMI ES 60601-1:2005 (UL/cUL 3 <sup>rd</sup> ed.) • EN 60601-1:2006 (TUV / T-Mark 3 <sup>rd</sup> ed.) • 2-MOPP compliance					
EMI	Compliance to EN 55022 Class B, EN 61000-3-2, -3					
EMS	Compliance to EN 61000-4-2, -3, -4, -5, -6, -8, -11					
CASE DIMENSIONS	146 mm x 76 mm x 43 mm					
NET WEIGHT	510g – 560 g (ref.)					



**Note:**

1. Dimensions are shown in mm.
2. Weight: 510~560gs approx.
3. Optional output connector:  
See page Appendix.

**Derating Curve :**



1. Operating Temperature: 0 to 70°C
2. Derate linearly from 100% load at 50°C to 50% load at 70°C