MobileMustHave
MOBILE LIFESTYLE SOLUTIONS

48V 2.5A 120W AC/DC Switching Power Supply Adapter

Product Description This product is a 120W switching power supply with a single 48VDC / 2.5A output. It supports 100–240VAC, 50/60Hz input and features short circuit and over current protection. The product adopts natural air cooling and is designed for stable an



Output Type	**Single Output**
Rated Output Voltage	+48.0 VDC
Rated Output Current	2.5 A
Rated Output Power	120 W
Input Voltage	100–240 VAC
Input Frequency	50/60 Hz
Maximum Input Power	145 W Max.
Input Current	2.0 A Max. @ 100 VAC, Full Load
Efficiency	≥88% @ Full Load, Nominal Input
No-Load Power Consumption	≤0.3 W
Turn-On Delay	≤2000 ms
Rise Time	≤20 ms
Output Voltage at No Load	48.2–48.6 VDC
Output Voltage at Load	47.6–48.2 VDC
Line Regulation	±5% Max
Load Regulation	±5% Max

Ripple & Noise	≤480 mV
Short Circuit Protection	Auto Recovery
Over Current Protection	Auto Recovery; Limited Current
Input Protection	3.15 A / 250 VAC Fuse
Inrush Current	≤60 A @ 240 VAC; ≤30 A @100 VAC
Cooling Method	Natural Air Cooling
Leakage Current	≤0.25 mA
Hi-Pot Test	Primary to Secondary: 3000 VAC
MTBF	30,000 Hours @ 25°C
Burn-In Test	100% Load, 2 Hours
Operating Temperature	-20°C to +45°C
Operating Humidity	5%–90% RH
Storage Temperature	-40°C to +75°C
Storage Humidity	5%–95% RH
Enclosure Color	Black
Dimensions	172 × 72 × 48 mm
Net Weight	Approx. 540 g
AC Cord	2 × 0.75 mm², 1.2 m
AC Plug Options	EU / US / UK / AU
DC Connector	5.5 × 2.5 × 10 mm
DC Cable	UL2464 18AWG, 1.5 m
DC Cable OD	5.0 mm
Magnet Ring	Included
Packing Box Size	200 × 120 × 80 mm