

Features

- Universal input 90~264V AC
- Interchangeable Power Supply
- Approved to UKCA, CE, TUV-GS, cULus, RCM (C-Tick), CCC, FCC, RoHS
- EN/IEC 62368-1 Safety Approved
- Meets Efficiency Level VI
- Single Output 5~24V
- OVP, OCP, OTP, SCP

RS PRO

External Adapter Interchangeable

RS Stock No.: 0625746



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

18W AC/DC External Adapter Interchangeable Power Supply (PSU) Series are certified to UKCA, CE, TUV-GS, cULus, RCM (C-Tick), CCC, FCC, RoHS & EN 62368-1/IEC 62368-1/UL 62368-1 Standards and comply with (EU) 2019/1782, Level VI Efficiency Regulations. These are primarily used in ITE, Audio & Video Industries.

Input Specifications

Input Voltage	Output Voltage (V DC)	Output Current (A)	Output Power (W)	Efficiency (Typ)
0625746	18	1	18	85

Input Specifications

Input Voltage	90-264VAC	100-240VAC +/- 10%
Input Frequency	47/63Hz	50-60Hz +/- 5%
Input Current	0.5A	
Inrush Current	60A	At cold start, 100 / 240V AC
Leakage Current	0.25mA	

Output Specifications

Output Current Range	0-4 A
Ripple & Noise	150-200 mVp-p
Line Regulation	+2%
Load Regulation	+5%
Turn-on Delay Time	3 Seconds
Hold-up Time	5 Seconds

Protection Specifications

Over Current Protection	0.975-3.9 A	Will recover if fault condition is removed
Short Circuit Protection	Will recover if fault condition is removed	
Over Voltage Protection	Will recover if fault condition is removed	

Environmental

Operating Temperature	0 ~ +40□	
Storage Temperature	-20 ~ +85□	
Operating Humidity	10 ~ + 90%	non condensing
Relative Humidity	5 ~ 95%	non condensing

Reliability Requirements

Burn-in	2 Hours Under normal input and 80% rated load at 40°C + 5°C	
Dielectric Strength	5 mA 4242Vdc / 60s (3s for mass production)	
Leakage Current	0.25mA @ 264Vac / 50H	
Insulation Resistance	50mΩ @primary to secondary add 500Vdc test voltage	

Safety & EMC

Conducted	BS EN/EN62368-1 Pass B EMC Directive 2014/30/EU
Radiated	EN 55032 – Pass B
Harmonic Standard	EN 61000-3-2 Class D P.F. shall >0.95 @100Vac input and >0.9 @240Vac input
EMS	EN 55035
EMS	EN 61204-3
ESD	IEC 61000-4-2 B Contact: +/- 4KV; Air: +/- 8KV
RS	IEC 61000-4-3 Frequency: 80-1000MHz; Field Strength: 3V/M ' 80% AM (1KHz)
EFT	IEC 61000-4-4 A/B 0.5/1.0KV on input AC power ports
Surge	IEC 61000-4-5 A Line to Line: +/- 1KV (peak); Line to F.G: +/- 2KV (peak)
Safety Standards	EN 55032, IEC/EN/UL 62368-1, approved
Approvals	UKCA, CE, TUV-GS, cULus, RCM (C-Tick), CCC, FCC, RoHS

