

Features

- Universal input 100~240VAC
- Class I (C14)
- Approved to UKCA, CE, CB, cULus, TUV-GS, PSE, FCC, RoHS
- UL/EN 60905-1 Safety Approved
- Meets Efficiency Level VI & (EU) 2019/1782
- Single Output 24~48V DC



Ideal Power's 66JYH32-xy-RS 65W AC/DC External Desktop Power Supply (PSU) Series are certified to UKCA, CE, CB, cULus, TUV-GS, PSE, FCC, RoHS & EN 60950-1/UL 60950-1 Standards and comply with the relevant Efficiency Regulations. These are primarily used in ITE, Audio & Video Industries and customised solutions are available upon request.

Models

Model Number	Output Voltage (V dc)	Output Current (A)	Output Power (W)	Efficiency (%)
66JYH32-2402700-RS	24	2.7	64.8	88
66JYH32-4801300-RS	48	1.3	65	88

General Specification

Type	Switched Mode Power Supply
Input Connector	IEC 320-C14
Output Connection	2.1x5.5x11.0mm +ve inner/centre
Number of Outputs	1
Energy Efficiency Level	VI
Mounting Style	Desktop
MTBF	20,000 hours at maximum load /709.7K hrs min. MIL-HDBK-217F(25°C)
Switching Frequency	65KHz
Power Indicator	LED Indicator for power on
Cable Length	1500mm
Cable Type	20AWG

Input Specifications

Rated Input Voltage	100~240Vac (±10%)
Full Input Voltage Range	90 – 264V ac
Rated Frequency	50/60Hz
Efficiency Level VI	Level VI / Efficiency (EU) 2019/1782
Input Current (RMS Max.)	1.5A
Inrush Current	120A Max. / 240Vac (Cold Start At 25°C, Full Load)
Leakage Current (max.)	<0.75mA / 240V ac
Input Protection	Thermal fuse in Primary; Current Limit, Short Circuit

Output Specifications

Ripple & Noise (max.)	200mVp-p
Line Regulation	±1%
Load Regulation	±5%
Startup, Rise Time	40ms Max at 115V ac at full load
Hold Up Time (Typ.)	50ms / 230V ac, 15ms / 115V ac at full load
Transient Response	4% Deviation
Number of Outputs	1
Turn On Delay	3 Seconds Max.
Isolation Resistance	20MΩ @500V dc
Overload Protection	Hiccup mode, recovers automatically after fault condition is removed
Over Voltage Protection	Shut down o/p voltage, re-power on to recover
Over Temperature Protection	Shut down o/p voltage, re-power on to recover
Short Circuit Protection	Yes

Mechanical Specifications

Housing Material	Fully Enclosed Plastic Case
Overall Dimensions	120x53x32mm

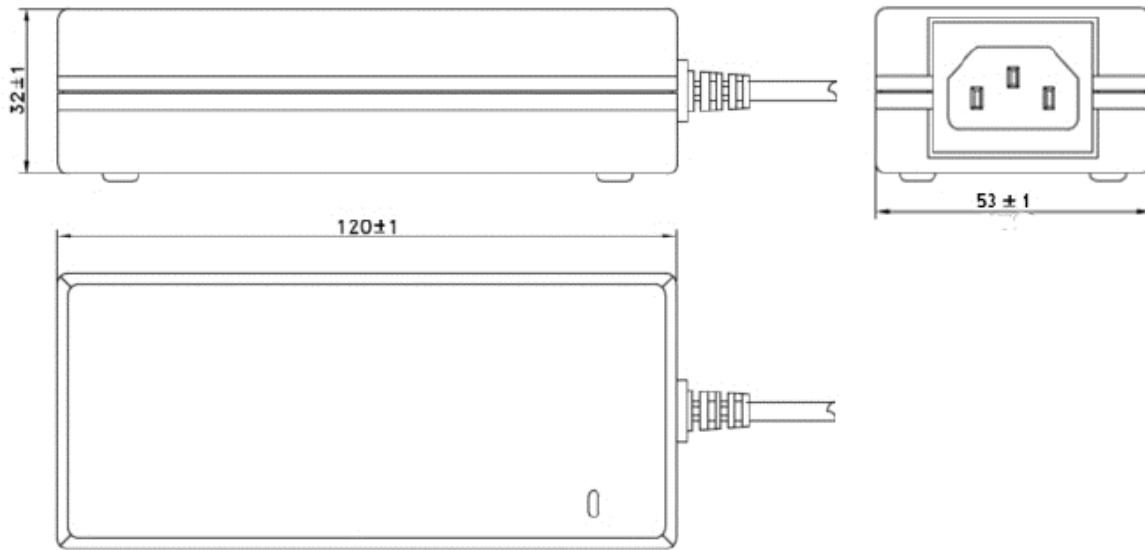
Environmental Data

Operating Temperature Range	0 to 40°C
Operating Humidity	5% to 90% RH non-condensing
Storage Temperature Range	-20 to 80°C

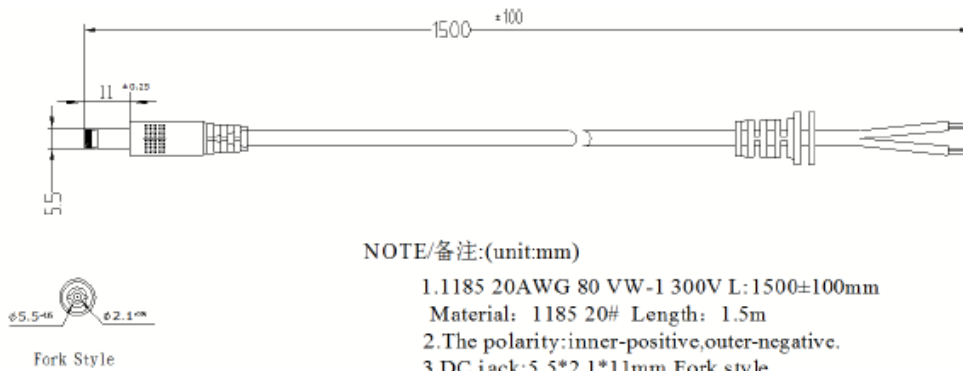
Approvals

Compliance/Certifications	UKCA, CE, CB, cULus, TUV-GS, PSE, FCC, RoHS
Safety Standard	EN/UL 60950-1
EMC Emission	Compliance to EN 55032, FCC part15 class B rules, GB9254-1998, GB17625.1-2003

Mechanical Drawing



Cable drawing for 24V Model



AC – DC

Typical Label

