



POWER ADAPTER SPECIFICATION

XJK120W Series

FEATURES

Certified IEC 62382-1
 Meet Energy Efficiency DOE Level VI
 Meet COC Version 5 Tier2
 High Reliability
 Over Temperature Protection
 Over Voltage Protection
 Over Current Protection
 With PFC Circuit

SAFETY STANDARD APPROVAL



DESCRIPTION

This Power Adapter is with 120watt power, intend to use for IPC systems, rugged system, POS system, monitor, printer and PoE application, that has a high wattage demands. This ac to dc adapter operates at Variable input voltage range: AC 90V to AC 265V. The Safety Accord with IEC62368 , EN62368 , UL62368 , GB4943.

INPUT SPECIFICAITONS

Input Voltage: 90-265VAC
 Input Frequency: 47Hz-63Hz
 Input Current: full load 1.2A
 No Load Power Consumption: 0.21W
 Touch Current: 0.25mA

OUTPUT SPECIFICAITONS

Output Voltage: 12-60VAC
 Output Current: 2A-10A
 Protection

Over Voltage: The adapter will enter into shut down that means no output while over voltage happened at output terminal that caused by internal fault, the output trip voltage shall not exceed rated volts.

Short Circuit & Over Current: When an internal fault occurs, or an external fault is applied to the power adapter, such that an overload or short circuit is applied to the output, the power adapter shall shut down and enter auto-recovery mode.

Over temperature: The power supply will enter into shut down while the abnormal thermal rise occurs. That will be return to normal state by AC reset.

Environment

Working TEMP: 0~70 (> 50 de-rating)
 Storage TEMP: -30 ~ +85
 Working Humidity: 30% ----- 95%
 Storage Humidity: 30% ----- 98%

OUTPUT SPECIFICAITONS

Power Factor: 115Vac, 230Vac / full load
 0.9
 Efficiency: DOE 88%
 COC 89%
 Time sequence: See Switch On/Off graph
 Inrush current: 100Vac, 240Vac/full load,
 with 25 environment
 TEMP, Max 30A
 Operating altitude: under 5000 meters
 MTBF: 100Vac, 240Vac/full load,
 500,000 hours at 27 ,
 standard MIL-HDBK-217F

EMC Performance

EN55032: Class B conducted,
 Class B radiated

FCC: Class B conducted,
 Class B radiated
 Class A

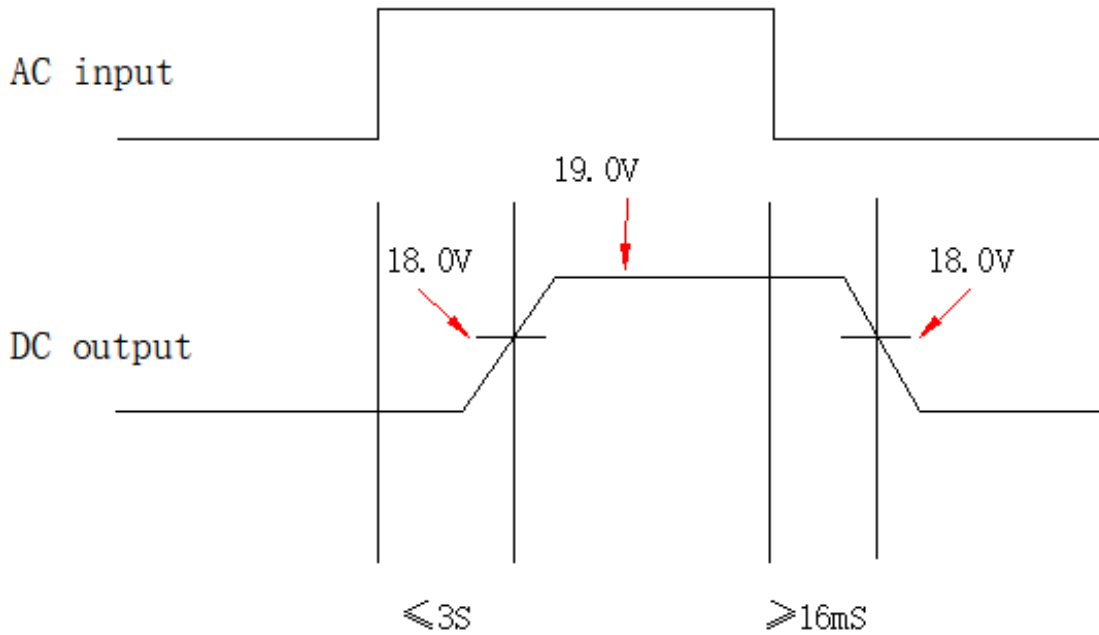
EN61000-3-2: Meet regulation
 EN61000-3-3: Class B
 EN61000-4-2: 80 ~1000 MHz,3V/m, 80
 % AM(1kHz), criterion A
 EN61000-4-3: 1kV input, air 101.5kPA,
 meet criterion B
 EN61000-4-4: 0.15 ~ 80 MHz, 1A/m,
 meet criterion A



POWER ADAPTER SPECIFICATION

TIME SEQUENCE GRAPH

AC switch at ON/OFF



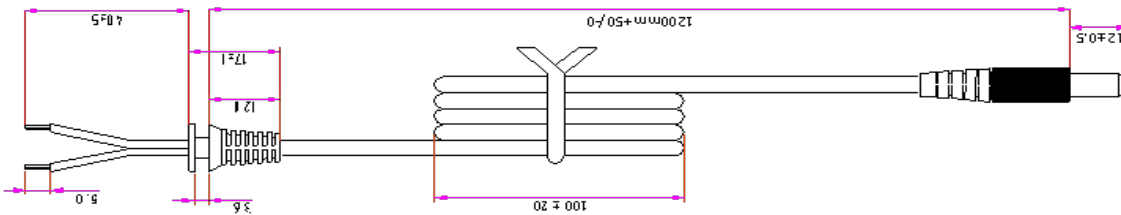
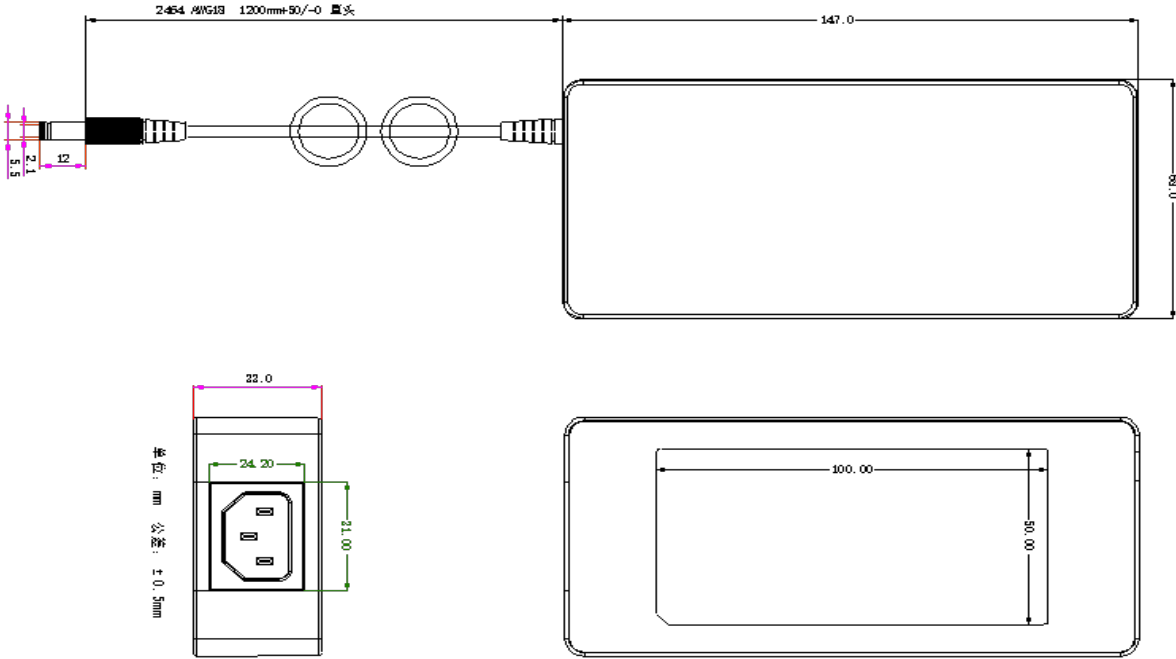
OUTPUT VOLTAGE/CURRENT RATING CHART

Model	Output Voltage	Output Current	Efficiency		Over Voltage Protection
			DOE(Level VI)	CoC V5 (Tier 2)	
KZ1201000	12V	10A	≥88%	≥89%	19Volts
KZ1906300	19V	6.32A			29Volts
KZ2405000	24V	5A			35Volts
KZ4802500	48V	2.5A			63Volts
KZ5402200	54V	2.22A			65Volts
...					



POWER ADAPTER SPECIFICATION

MECHANICAL & AC CONNECTOR SPECIFICATION



1. CORD MATERIAL: 2464 AWG18*2C.
2. DC PLUG TYPE: 5.5*2.1*12mm 直头音叉
3. INSULATION: PVC 4.2mm diameter
4. OUT JACKET: PVC. COLOR: Black.
5. TEMPERATURE: 80° C.
6. Unit: mm

TEST MODE:
DC 5*2.1 MALE
(TUBING FORK YELLOW)

