

Fuente de Poder Regulada / 48 VCC / 1.35 A / Entrada Universal 100-240 VCA / Conector Plug

SKU: KPL-065S-II Marca: HIKVISION Categoría: Fuentes de Alimentación

Garantía: 5 años

$349.04

Precios con IVA incluido

DESCRIPCIÓN

Esta fuente de poder regulada entrega una salida estable de 48 VCC a 1.35 A, ideal para alimentar equipos de red, cámaras IP, access points y dispositivos de telecomunicaciones que requieren un voltaje constante y libre de fluctuaciones. Su entrada universal de 100-240 VCA permite su operación en cualquier región geográfica sin necesidad de adaptadores adicionales. El conector tipo plug integrado facilita la conexión directa al equipo, eliminando la dependencia de cables de alimentación externos. Su diseño compacto optimiza el espacio en racks, gabinetes de red o instalaciones empotradas, mientras que los circuitos de protección contra sobrecarga preservan la integridad del equipo conectado ante condiciones anómalas de corriente.

Características Principales

Regulación de voltaje para estabilidad en equipos sensibles

Entrada universal 100-240 VCA para compatibilidad global

Salida fija 48 VCC / 1.35 A con bajo rizado

Conector tipo plug integrado para conexión directa

Factor de forma compacto para instalaciones en espacios reducidos

Protección contra sobrecarga para seguridad del equipo

Alta eficiencia energética con mínima disipación térmica

Especificaciones Técnicas

Tipo de Dispositivo

Fuente de poder regulada

Voltaje de Entrada

100-240 VCA universal

Voltaje de Salida

48 VCC

Corriente de Salida

1.35 A

Potencia de Salida

64.8 W

Conector de Salida

Tipo plug integrado

Protecciones

Sobrecarga

Incluye Cable de Alimentación

No

Nota importante: Este producto no incluye cable de alimentación. Se requiere adquirir el cable compatible con las especificaciones de entrada del equipo.

ESPECIFICACIONES

Característica 1	**Estabilidad de voltaje regulada para equipos sensibles**
Característica 2	**Entrada universal compatible con cualquier región**
Característica 3	**Salida constante de 48 VCC a 1.35 A**
Característica 4	**Conector plug integrado sin cables adicionales**
Característica 5	**Diseño compacto para espacios reducidos**
Característica 6	**Protección contra sobrecarga integrada**

MEMORIA TÉCNICA · KPL-065S-II

Número de parte de esta ficha: KPL-065S-II. La información corresponde a esta variante.

SPECIFICATION FOR APPROVAL
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CUSTOMER APPROVAL(□□□□)
DATE(□□):
CUSTOMER(□□):
PART NO(□□):
*PLEASE SIGN AND RETURN ONE COPY.
*ALL PRODUCTION UNITS WILL BE BUILT ACCORDING
TO THIS SPECIFICATIONS.
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PREPARED(□□) CHECKED(□□)
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- TEL(□□):0574-86879335
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Zhejiang,P.R. China.

KPL-065S-II 48.0V/1.35A 65W 1185#18
5.5*1.7*10*1200mm 180□
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5 2019.06.25 E □□ □□□ □□□
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- 1 SCOPE
This document describes basic electrical characteristics and mechanical characteristic of 65 W power adapters.
- 2 ELECTRICAL SPECIFICATION
2.1 INPUT REQUIREMENT
2.1.1 INPUT VOLTAGE RANGE
- Industrial power supply shall operate within input specification from 90Vac to 264Vac or provide automatic switching between high line and low line input ranges. The table below shows common input voltage range.
- Input Range
Minimum Nominal Maximum Unit
90 V 100V- 240V 264V Vac Rms
Table 1 - Input Voltage Range
- 2.1.2 INPUT FREQUENCY RANGE
The industrial power supply shall operate within specification from 47 to 63 Hz.
- 2.1.3 AC INRUSH CURRENT

- Peak inrush current should not exceed 100 A at 240Vac, 50Hz, 25 degrees C, cold start. It should not interrupt line fuse or cause damage to the industrial power supply either at cold or warm start.
- Peak inrush current should not exceed 60 A at 100Vac, 60Hz, 25 degrees C, cold start. It should not interrupt line fuse or cause damage to the industrial power supply either at cold or warm start.
- The inrush current must be limited to the extent that no damage is done to the supply under any specified line, load, and temperature conditions. The inrush current sha ll not cause any external protection devices (i.e. fuses) to trip.
- 2.1.4 INPUT CURRENT
- Maximum steady state input current shall not exceed 1.7 A for any line voltage specified in 2.1.1.

- 2.1.5 LEAKAGE CURRENT
0.75mA maximum at 240Vac 50Hz
- 2.1.6 LOW POWER CONSUMPTION
- Vin Load Power consumption
240Vac/50Hz 100Vac/60Hz
0A <
- 0.15 W
- 2.2 INPUT PROTECTION
2.2.1 INPUT CURRENT PROTECTION
- A fuse with rating of 3.15 A / 250 V (Time Lag type) shall be installed on the input line side near the input connector and no any electrical components before.
- 2.3 OUTPUT REQUIREMENT
2.3.1 OUTPUT POWER
- The total output power, under steady state conditions, shall not exceed 65 W.
- 2.3.2 OUTPUT VOLTAGE AND CURRENT
- Under any combination of line and load variation and environmental conditions, all outputs shall remain within tolerance as defined in Table 2. Output voltage(s) shall be measured at the load side of output connector.

Output Voltage	Voltage Range		Current Range	
	Lower Limit	Upper Limit	Minimum Load	Full rated load PK Load
+48.0V	46.08V	49.92V	0.0A	1.35A --

Table 2 - Output Voltage and Current

- 2.3.3 RIPPLE AND NOISE
Measurements shall be made with an oscilloscope with minimum of 20MHz bandwidth and 1:1 scope Probe, Output shall be bypassed at the connector with a 0.1μF ceramic disk capacitor and a 47μF electrolytic capacitor for general testing purpose.
- Output Voltage Maximum Ripple & Noise (Vp-p)
+48.0V 300mV
Table 3 – Ripple and Noise
2.3.4 OVER VOLTAGE PROTECTION
The power supply shall provide with over voltage protection such that under any single component failure. The power supply provides output over voltage protected in latch off by zener diode, and no damage to customer device.
- 2.3.5 OVER CURRENT PROTECTION
- The power supply shall be protected when operating any output in overload condition. The power supply shall be shut down and no any damage when the over current condition occurs on the output, and It will be auto-recovered when the failure is removed.

- Output Voltage	Over current protection Test condition	
	Lower Limit	Upper Limit
	Input voltage:100Vac 60Hz or 240Vac 50Hz.	
+48.0V	1.55A	2.70A

Table 4 –Over current protection
- 2.3.6 OVERSHOOT
During turn on or turn off, the output overshoot shall not exceed nominal output voltage by more than 5% , and output shall not change its polarity with respect to its return line.
- 2.3.7 SHORT CIRCUIT POTECTION
- Power supply shall have self-limiting protection to protect against short circuit or overload conditions. No damage to the power supply shall result from a continuous or intermittent short circuit condition. It will be auto-recovered when the failure is removed.

- 2.3.8 AUDIBLE NOISE
There is no audible noise canned been heard when it work with rated spec.
- 2.4 PERFORMANCE REQUIREMENT
2.4.1 EFFICIENCY
- Active average mode Efficiency (watt out / watt in) shall be a minimum of 89.00 % at 230vac/50Hz.
Active average mode Efficiency (watt out / watt in) shall be a minimum of 88.00 % at 115vac/60Hz.
Complies to EPA DOE standard specification and EU CEC standard specification (Level VI).
calculate the model is single average active mode efficiency for each test voltage by testing at 100%,75%,50%,and 25% of rated current output and then computing the simple arithmetic average of these four values respectively at 115V/60HZ and 230V/50HZ test result for reference.
Efficiency (watt out / watt in) shall be a minimum of 79.00 % at 10% full load.
Note: when testing efficiency, adapter needs to electrify to perform after full load 60 minutes
- Input voltage 115Vac 60Hz or 230Vac 50Hz
- 2.4.2 TURN ON DELAY TIME
- Output shall reach steady state within 5 seconds of turn on at 100Vac or greater.
Output shall reach steady state within 2 seconds of turn on at 240Vac or greater.
- 2.4.3 HOLD-UP TIME
- Hold-up time shall be a minimum of 8 mS at 100Vac / 60Hz input.
- 2.4.4 DYNAMIC LOAD
- Power supply output voltage tolerance shall be complied with ± 5%.
Step load change: from 50% to100% Load on the output. Dwell Time: 100Hz & 1 KHz 50% duty. Slew rate: 0.5A/uses
- 3 ENVIRONMENTAL SPECIFICATION
3.1 TEMPERATURE
Operation within specification: -10
- to 40 degrees C.
Storage: -20 to 85 degrees C

- 3.2 HUMIDITY

Operation: 10% to 90% relative humidity, non-condensation.
Storage: 5% to 95% relative humidity, including condensation.
- 3.3 VIBRATION AND SHOCK
The power supply shall be designed to withstand normal transportation vibration per MIL-STD-810F, method 514 and procedures X, as it is mounted in the chassis assembly and packed for shipping.
- 3.4 ALTITUDE
The power supply shall operate properly at any altitude between 0 ~ 16,404 feet (5000 meter) above sea level, and withstand storage at 50,000 feet.
- 3.5 CALCULATED MEAN TIME BETWEEN FAILURES (MTBF)
The MTBF for the power adapter shall equal or exceed 100,000 hours when operated at full rated load in an ambient temperature of 25 degree C.
- 3.6 BURN-IN
Burn-in test:
Test condition: 110Vac / 220Vac 50Hz, with 100% maximum load at 45 ±5℃ ambient temperature.
- Test method: burn-in 110 minutes; and 30 seconds “O N”, 30 seconds “OFF” within 5 minutes, then 5 minutes "ON"
- Test criteria: during this conditioning the power supply output normal and no damage or hazardous condition will occur.
- ORT and life test:
Input condition: 110Vac / 220Vac 50Hz, "ON/OFF" 10 times within 5 minutes,45 minutes "ON"
45 minutes "OFF",
- Test condition: cycle by cycle test 168 hours with 100% maximum load at 45 ±5℃ ambient temperature.
- Test criteria: during this conditioning the power supply output normal and no damage or hazardous condition will occur.
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- 4 RELATED SPECIFICATION
4.1.1 SAFETY STANDARD
Agency Certification required Countries
UL/ cUL
UL60950-1; CAN/CSA C22.2 No.
60950-1-07+A1:2011+A2:2014
US/ Canada
CB
IEC 60950-1:2005 (Second Edition) +Am 1:2009+Am 2:2013
IEC
CCC GB 4943.1-2011; GB9254-2008; GB17625.1-2012 China
GS EN 60950-1:2006+A11+A1+A12+A2; Germany
PSE J60950-1(H27);J55022(H22);J3000(H25) Japan
BIS IS 13252(PART 1):2010/IEC 60950-1:2015 India
FCC ICES-003， 2016;FCC Part15 US
CE EN55032， 2015;EN55024， 2010+A1， 2015; Europe
(Currently All certification marks meet safety requirement only)
- 4.1.2 EMI
- VCCI Class-B
FCC 15(Class-B, 115Vac operation)
CISPR 22 Class-B limits
EN55022 (1998+A1:2000+A2:2003 Class-B limits)
- 47 CFR Part 15, Subpart B, Class B limits
- GB 9254 ITE Emissions Latest Edition
- 4.1.3 DIELECTRIC STRENGTH
—(HI-POT)
Primary to secondary: 3000VAC. Test time: 60 second
Cut-off current: 5mA max Arcing current: 10mA max
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- 4.1.4 INSULATION RESISTANCE
Insulation resistance shall be more than 100M ohm between primary and secondary under normal atmospheric conditions
Insulation resistance shall be more than 10M ohm between primary and secondary in hot and humid conditions
- 4.1.5 LEAKAGE CURRENT
- 0.75 mA maximum at 264Vac 50Hz
- 4.1.6 SURGE
It is referring to EN61000-4-5 IEC61000-4-5:2001 Level 4.
Differential mode surge immunity: 2KV
Common-mode Surge Immunity: 4KV
 Determination level: Criteria A (Product testing and testing before and after any change in function is not).
- 4.1.7 ELECTROSTATIC DISCHARGE ESD
- It is referring to EN61000-4-2, IEC61000-4-2:2001, IEC801-2 Level 3. Contact electrostatic discharge: + - 6KV. Air electrostatic discharge: + - 8KV.
 Determination level: Criteria A (Product testing and testing before and after any change in function is not).
- 4.1.8 RF IMMUNITY
- It is referring to IEC61000-4-3 Class A 3V/m
4.1.9 ENVIRONMENT STANDARDS
RoHS Regulation The RoHS compliance symbol will be included on the data plate.
4.1.10 E LECTRICAL FAST TRANSIENTS (EFT)
It is referring to IEC61000-4-4 Class B Test Voltage: 2KV
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- 5 MECHANICAL
5.1 INPUT CONNECTOR AND OUTPUT CABLE
5.1.1 INPUT CONNECTOR
- AC Input connector shall be IEC320 C14 or C6 power connector.
- 5.1.2 OUTPUT CABLE
- Please read the reference to FIG.
- 5.2 AC ADAPTER EXTERNAL DIMENSION
- 7
5
Material standard of environmental protection
Hazardous Substances
Content Standards
Packaging matenals
Channel Well Technology Co.,Ltd.
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KPL-065S-II
MIN. DIMENSIONS OF MARKS
ON LABEL
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R1.5 C2
I.T.E POWER SUPPLY .
+48V1.35A 65.0W
CHANNEL WELL TECHNOLOGY

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