



## ■ AC Plug Type

Insulation Class	Class I	Class I	Class II
AC inlet type	3 pole IEC320-C6	3 pole IEC320-C14	2 pole IEC320-C8
Shape No.	KRE120-C6	KRE120-C14	KRE120-C8

## ■ Features

- Universal AC input Full range
- Available power cord of 3 pole US, EU, AU/NZ, EK, JP, CN, IN and UK plug, Class I power unit
- No load power consumption < 0.1W
- Energy efficiency Level VI
- Comply with EISA 2007 / DoE and NRCan
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Wide range working temperature

## ■ Description

KRE120x is a highly reliable, 200W desktop style single-output industrial adaptor series. This product is a class I power unit (with FG), equipped with standard AC power plug, adopting the input range from 90VAC to 264VAC. The entire series supplies different models with output voltages ranging between 12VDC and 52VDC that can satisfy the demands for various types of consumer electronic devices.

## ■ Applications

- Electric and Electrical devices
- Telecommunication devices
- Office facilities
- Industrial equipment



## Mechanical Characteristics

- see below Dimension Diagrams
- Weight: 230g

## Characteristics

### Input:

#### AC Input Voltage Rating

100 to 240VAC

#### AC Input Voltage Range

90 to 264VAC

#### AC Input Frequency

47 to 63Hz

#### Input Current

0.66A (RMS) maximum at 120VAC

0.25A (RMS) maximum at 240VAC

#### Leakage Current

0.25A maximum at 264VAC

#### Inrush Current (Cold Start at ambient 25° C)

30A for 120VAC at maximum load

60A for 240VAC at maximum load

#### Input Power Saving

0.1W maximum at no load

#### Output: Efficiency

Meet energy saving efficiency level VI.

#### Hold-up Time

10mS minimum at 120VAC and maximum load

### Short-Circuit Protection

Auto restart

### Environmental Temperature

Operation -25° C to +40° C

Non-operation -40 to +85° C

Humidity 10 ~ 90% non-condensing

### Emissions

Complies with FCC Class B Complies with EN55032 Class B

### Immunity

AN/NZS CISPR22

EN55024 J55022(H22)

EN61000-4-2 Level EN61000-4-3 Level

EN61000-4-4 Level EN61000-4-5 Level

EN61000-4-6 Level EN61000-4-8 Level

EN61000-4-11 Level EN61000-3-2 Level

EN61000-3-3 Level

GB9254+GB1762

### Dielectric Withstand (Hi-pot) Test Primary to Secondary:

3500V AC for 1 min., 10mA

Primary to F.G.: 1500V AC for 1 min., 10mA

### DC Output Connector

2.5 x 5.5mm Center Positive+ Standard or equivalent,

Or see *KRE-connectors-Spec.pdf*

### Output Cable

As per customer requirement, normally less than 1.5 meter (4.92 feet),

UL2468, from 18-12AWG guage or equivalent

### Mating Connector

Equivalent

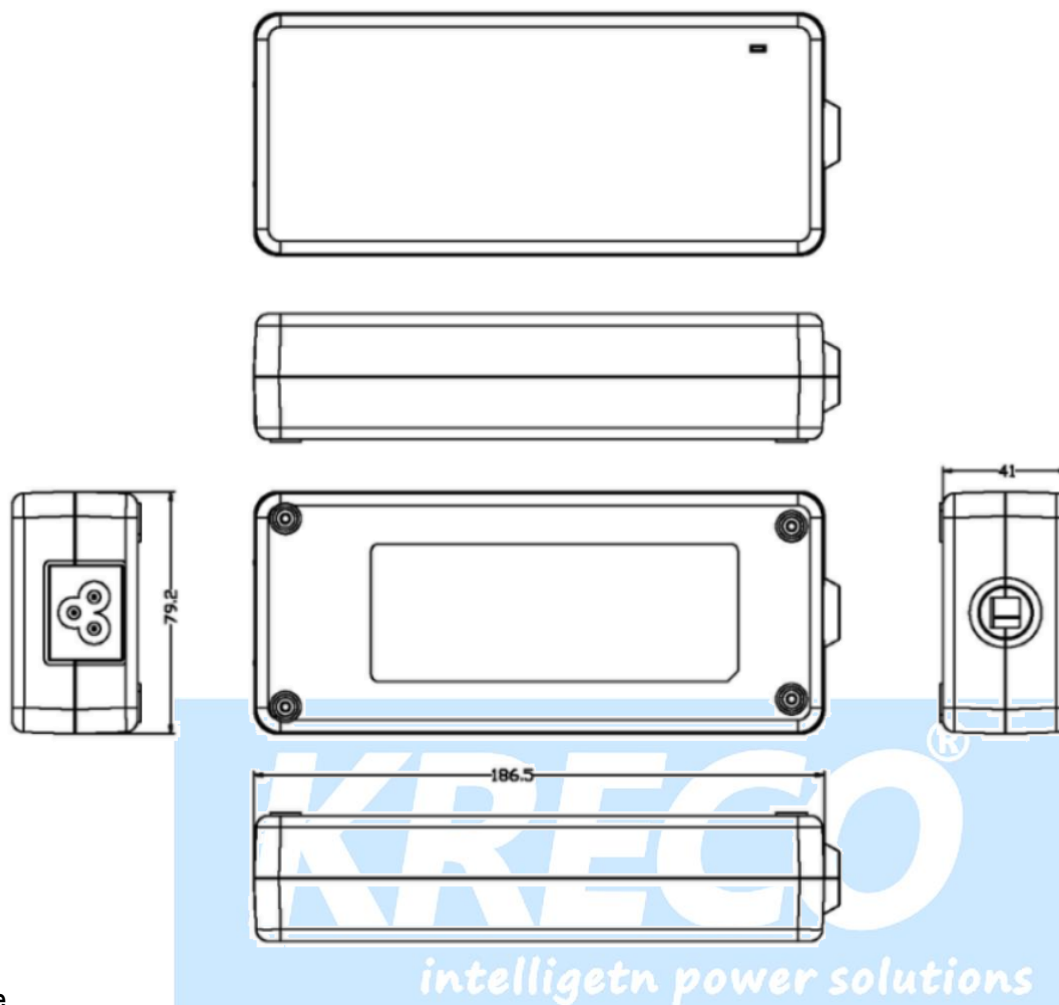
## Model List & Output Specifications

OUTPUT	Voltage(DC)	24.0V
	Current	0.1-5.0A
	Power (Max.)	120W
	Ripple&noise	≤240 mV
	Voltage tolerance	±5%
	Standby power	< 0.21 W
INPUT	Voltage Range	200-240VAC
	Frequency Range	50-60Hz
ENVIROMEN T	Operation Temp.	0°C to +40°C
	Storage Temp.	-20°C to +80°C
	Operation HUM	10%-90%
SAFETY	Safety Standards	61558 EMC, LVD, CQC
Other	MTBF	>50,000 hours at 80%load and 25°C
	Dimension	145.0X82.0.2X32.0mm

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■ Dimension Diagram for KRE120X

Unit: mm



■ Note

- (1) Normally exclude the power cords, different country power plug type could be re-designed, or added to production order.
- (2) xxx for Output voltage and yyy for output current, what you are going to order, please must specify to sales.
- (3) Safety model number may differs from the order number, KRECO P/N number, and shape number as per respective OEM/ODM factories.

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