



■ AC Plug Type

| AC plug type | 2 pin Euro | 2 pin USA | 2 Pin China | 3 pin UK | 2 pin AU | 2 pin JP | 2 pin KR | 2 pin IN | 3 pin South Africa | Interchangeable |
|--------------|------------|-----------|-------------|----------|----------|----------|----------|----------|--------------------|-----------------|
| Shape No.    | EU         | US        | CN          | UK       | AU       | JP       | KR       | IN       | /                  | yes             |

■ Features

- Universal AC input Full range
- 2 pole US, EU, AU/NZ, EK, JP, CN, IN and 3 pole UK plug, Class II 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



■ Applications

- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipment



■ Description

KRE30i is a highly reliable, 30W wall-mounted style single-output interchangeable industrial adaptor series. This product is a class II power unit (no 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 5VDC and 24VDC that can satisfy the demands for various types of consumer electronic devices.

■ Mechanical Characteristics

- see below Dimension Diagrams
- Weight: 140g

**■ 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 and 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 0 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:**

3750V AC for 1 min., 10mA

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

**DC Output Connector**

2.1 x 5.5mm Center Positive+ Standard or equivalent,

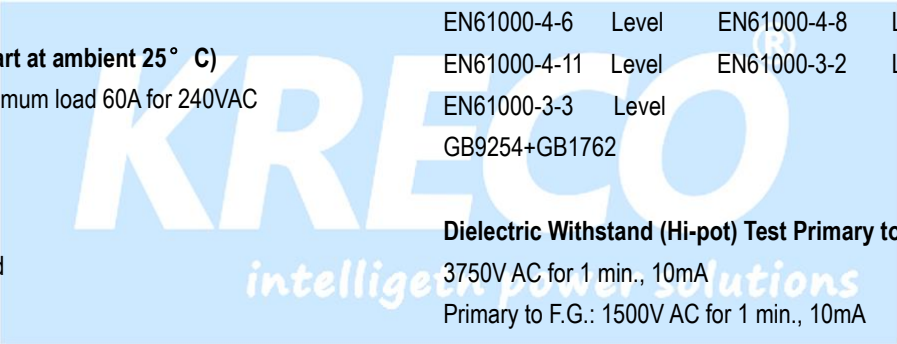
Or see *KRE-connectors-Spec.pdf*

**Output Cable**

1.5 meter (4.92 feet), UL2468, from 24-18AWG guage or equivalent

**Mating Connector**

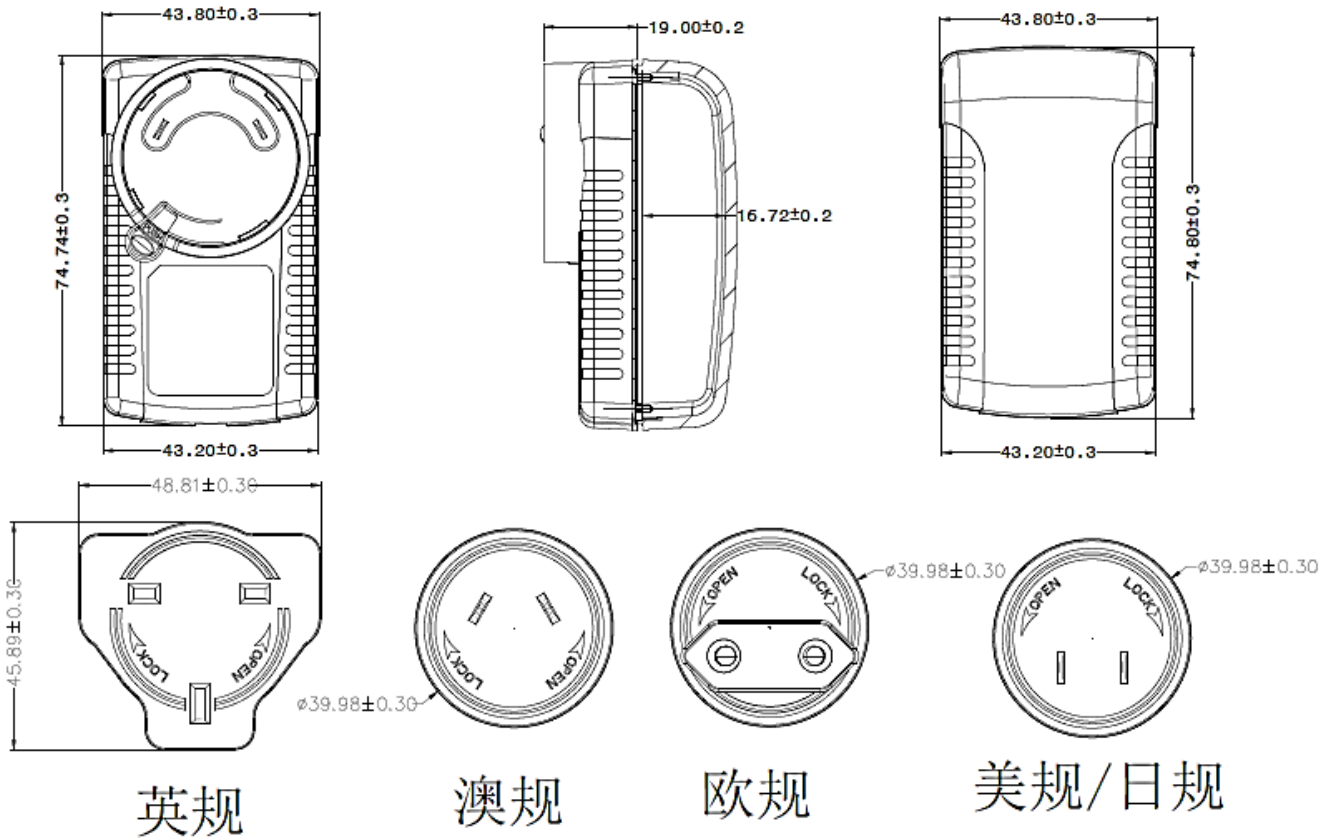
Equivalent



■ Output Specifications

| KRECO P/N<br>(see note)   | DC Output<br>Voltage | Load  |       | Output<br>Power | Safety Approvals                                   | Energy<br>Saving<br>Level | Standards      |
|---|----------------------|-------|-------|-----------------|--|---------------------------|----------------|
|   |                      | Min   | Max   |                 |  |                           |                |
| KRE030SPS-xxxxyyzf<br>or<br>KRE-xxxxyyyl<br>or<br>LY030SPS-xxxxyyzf | 5.0- 8.9V            | 0.01A | 4.0A  | 20W max         | UL/CUL/FCC,CE/GS/EMC,TUV/BS,RCM<br>,CCC/CQC,EK,PSE | V&VI                      | EN/IEC/UL62368 |
|   | 9.0- 15V             | 0.01A | 3.0A  | 30W max         | UL/CUL/FCC,CE/GS/EMC,TUV/BS,RCM<br>,CCC/CQC,EK,PSE | V&VI                      | EN/IEC/UL62368 |
|   | 15.1- 24.0V          | 0.01A | 2.38A | 36W max         | UL/CUL/FCC,CE/GS/EMC,TUV/BS,RCM<br>,CCC/CQC,EK,PSE | V&VI                      | EN/IEC/UL62368 |
|   | 5.0- 8.9V            | 0.01A | 4.0A  | 20W max         | UL/CUL/FCC,CE/GS/EMC,TUV/BS,RCM<br>Interchangeable | V&VI                      | EN/IEC/UL62368 |
|   | 9.0- 15V             | 0.01A | 3.0A  | 30W max         | UL/CUL/FCC,CE/GS/EMC,TUV/BS,RCM<br>Interchangeable | V&VI                      | EN/IEC/UL62368 |
|   | 15.1- 24.0V          | 0.01A | 2.38A | 36W max         | UL/CUL/FCC,CE/GS/EMC,TUV/BS,RCM<br>Interchangeable | V&VI                      | EN/IEC/UL62368 |





- (1) i for Interchangeable version, normally include EU, UK, US, AU version plugs, more 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 differs from the order number, part number, and shape number as per respective OEM/ODM factories.

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