



■ AC Plug Type for Wall Mount Type

AC plug type	2 pin Euro	2 pin USA	2 Pin China	2 pin AU	2 pin JP	2 pin KR	2 pin AR	3 pin UK	3 pin South Africa	Interchangeable
Shape No.	/	/	/	/	/	/	/	/	/	/

■ AC inlet Type for Desktop 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.		KRE90A-C14	KRE90B-C8

■ Features

- Universal AC input Full range
- 2 pole IEC320 AC C8 inlet and 3 pole C14, Class I, II power unit
- No load power consumption < 0.3W
- 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

KRE90x is a highly reliable, 90W single-output green adaptor series. This product is a class I, II power unit, 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.

■ Mechanical Characteristics

- see below Dimension Diagrams

■ Characteristics

Input:

AC Input Voltage Rating

100 to 240VAC

AC Input Voltage Range

90 to 264VAC

AC Input Frequency

47 to 63Hz

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

0.3W maximum at no load

Output: Efficiency

Meet energy saving efficiency level VI.

Hold-up Time

10mS minimum at 120VAC and maximum load

Environmental Temperature

Operation 0 to +40° C

Non-operation -40 to +85° C

Humidity 10-90% non-condensing

Short-Circuit Protection

Auto restart

Emissions

Complies with FCC Class B Complies with EN55032 Class B

Immunity

AN/NZS CISPR32/33

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*

<https://www.kreco.com.cn/view.php?id=1285>

Output Cable

1.5 meter (4.92 feet), UL2468, from 24-16AWG gauge or equivalent

Mating Connector

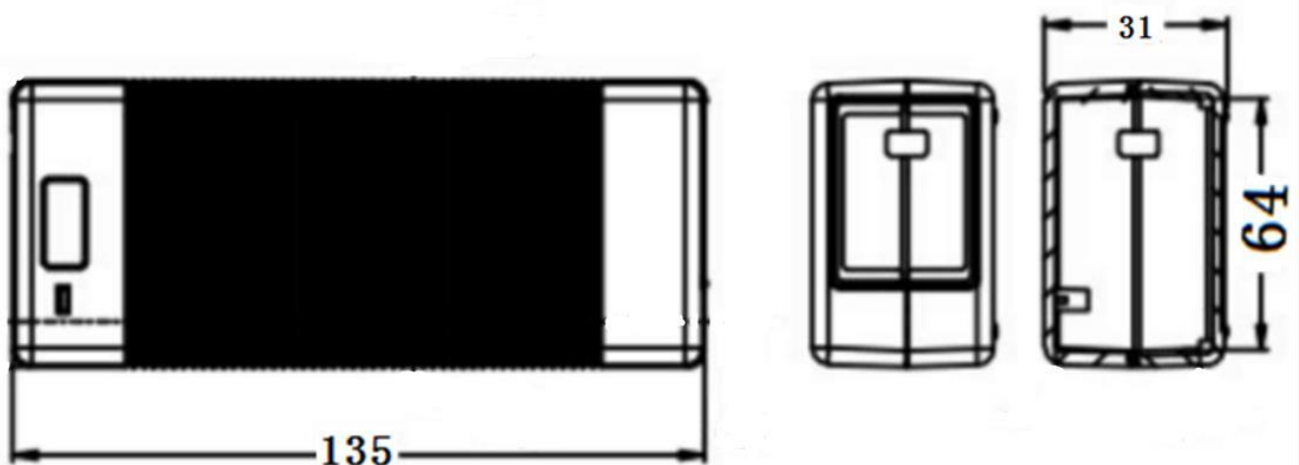
Equivalent

■ Output Specifications

KRECO P/N (see note)	DC Output Voltage	Load		Output Power	Safety Approvals	Energy Saving Level	Standards
		Min	Max				
KRE-xxxxxyZD or KRE90-xxxxyy	12V	0.01A	8.0A	90W max.	CCC/CQC,UL/CUL/FCC(ETL),CE/GS/C B/EMC,RCM,TUV/BS1363,EK,PSE	V&VI	EN/IEC62368/UL62 368/GB4943/8898/4 706
	15V	0.01A	6.4A	90W max.		V&VI	
	24V	0.01A	4.0A	90W max.		V&VI	
	48V	0.01A	2A	90W max.		V&VI	
	52V	0.01A	1.85A	90W max.		V&VI	

■ Dimension Diagram for KRE90A-C14 / KRE90A-C8

Unit:mm



- (1) X = E for EU version, U for US version, C for Chinese version, BS for UK version, S for Australian version, J for Japanes version, K for South Korea version, R for Argentina version, Z for South Africa (3 Big pins) version, I for Interchangeable version,
- (2) xxx for Output voltage and yyy for output current, what you are going to order, please must specify to sales.
- (3) Safety approvals according to the plug type Z or F are variables, which are different from each other, for example, 0 for European plug, 1 for British plug, 2 for Australian plug, 3 for USA plug, 4 for Japan plug, 5 for China plug, 6 for Korea plug, 7 for South Africa plug, 8 for India plug, 9 for Argentina plug, I for interchangeable plugs, D for AC inlet desktop type, DG/0G for Gigabit type, DM/0M for Megabit type, DGS for Gigabit Surge type, Z can be U and F can be U, H, V, ,W3 for 3pin AC-inlet, W2 for 2 pin AC-inlet etc.
- (4) Safety model number differs from the order number, part number, and shape number as per respective OEM/ODM.

Kreco is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at <https://www.kreco.com.cn> for the most up-to-date specifications and contact information.

