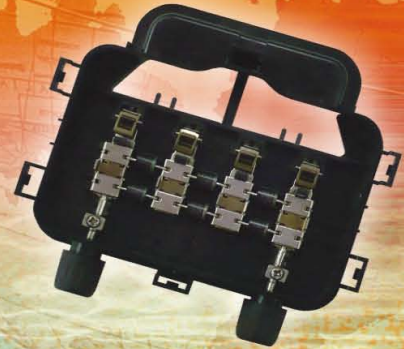




# Koehlke

## SOLAR ENERGY

Junction Box  
Connector Series  
Accessories



[www.koehlke.com](http://www.koehlke.com)



**Koehlke International Ltd.**



# ***ABOUT KOEHLKE***

## **KOEHLKE Helps You Realize Your Big Idea.**

With 30 years of experience, Koehlke International knows what it takes to deliver vital components and assemblies. We have a commitment to value-added measures in every phase of our business. Products, customer service, order transactions and follow-up are all focused on the concept of adding value for our customers.

A privately held family operation, Koehlke began in 1976 as a spare parts provider. Today we stand as a worldwide supplier of material produced and assembled at the Koehlke facilities, franchised lines and Koehlke approved sources of supply. We service customers located throughout the United States including the U.S. Government, Lockheed-Martin, Boeing, Raytheon-E-Systems, Space and Airborne Systems, Northrop-Grumman, Schlumberger, and Rockwell. We also service international exporters and foreign corporations and governments. With our new Asian partner, we ensure efficiency and quality as well as mid-west service and worldwide support.

## **PUT KOEHLKE TO WORK FOR YOU.**



China factory



USA factory

## **Research & Design**

With our professional R&D teams from USA & Taiwan, Koehlke is leading the field in design and advancements for solar products.



KI-97009

Junction Box



### < Product Description:

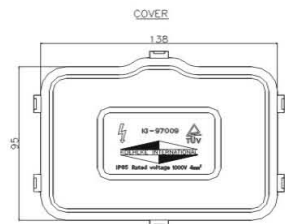
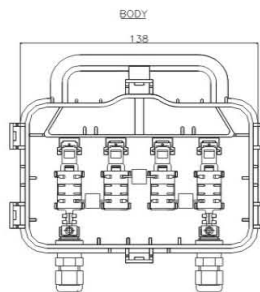
KI-97009 junction box is a new product designed especially for solar modules with high current comprised of 156x156 solar cells with benefits of approved radiation release, high maximum current and tremendous energy savings. It can also be used in connection with the battery powered solar panel .

### < Technical Specifications:

◆ Pin dimensions	ϕ 4.0mm or ϕ3.0mm
◆ Recommended cables	2.5~6.0mm <sup>2</sup> AWG 16/14/12/10
◆ Cable length	900mm~1500mm
◆ Voltage rating	DC 1000V
◆ Power rating	320W
◆ Max current	14A
◆ Contact resistance	<5m Ohm

### < Material

◆ Contact material	Cu
◆ Contact plating material	Tin
◆ Housing material	PPO



### < Environmental Conditions

◆ Protection class	IP65, Class II
◆ Temperature range	-40°C ~ + 85°C
◆ Flammability rating	UL 94V-0

### < Features & Benefits:

◆ Resistant to corrosion and UV radiation on outer cover
◆ Meets all weather requirements
◆ High thermolysis efficiency
◆ Diode can be 3 series of 6 parallel connections

## KI-97008

## Junction Box



### Product Description:

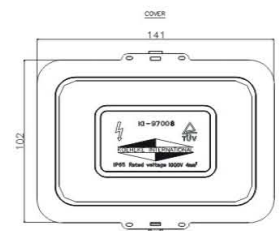
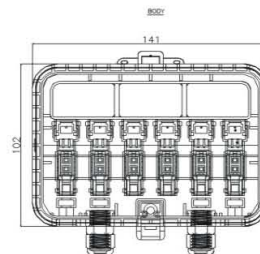
KI-97008 junction box is design to the battery Panel of 160W~260W with approved radiation release and maximum current characteristics. This box provides users with a safe, reliable and easy connection and it can also be used in connecting with the battery powered solar panel.

### Technical Specifications:

◆ Pin dimensions	ϕ 4.0mm or ϕ 3.0mm
◆ Recommended cables	2.5~6.0mm <sup>2</sup> AWG 16/14/12/10
◆ Cable length	900mm~1500mm
◆ Voltage rating	DC 1000V
◆ Power rating	260W
◆ Max current	8.0A
◆ Contact resistance	<5m Ohm

### Material

◆ Contact material	Cu
◆ Contact plating material	Tin
◆ Housing material	PPO



### Environmental Conditions

◆ Protection class	IP65, Class II
◆ Temperature range	-40°C~+ 85°C
◆ Flammability rating	UL 94V-0

### Features & Benefits:

◆ Resistant to corrosion and UV radiation on outer cover
◆ Meets all weather requirements
◆ High thermolysis efficiency

















