

KITANI ELECTRIC CO., LTD.
Mr. Yoshihar Takubo, Foreman
Development Dept. 1
1-13-3 Nagaokagu-machi
Hirakata-shi, Osaka
573-0102 JAPAN

Date : 26.12.2008
Our ref. : SHY ZO
Your ref.: PVB 3J 080523

Ref : R TÜV-Mark Approval

Type of Equipment : Junction Box for Photovoltaic-Systems
Model Designation : See Certificate
Certificate No. : R 50143515 0001
Report No. : 12307197 001

Dear Mr. Yoshihar Takubo,

The above specified technical equipment has been tested and found to be in accordance with the relevant requirements.

Please find enclosed your certificate.

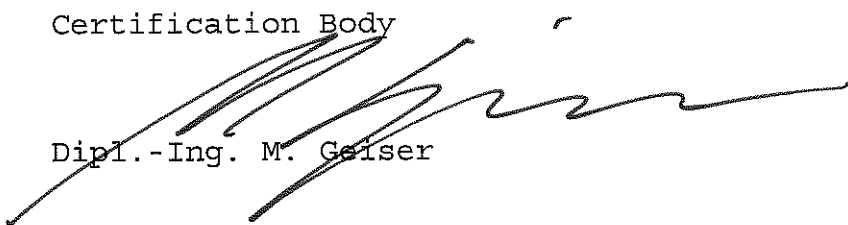
As the photo documentation is the evidence of certification, you need to keep the authorized copy for reference purposes as long as your certificate remains valid and the products are being sold.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

We appreciate your support and would like to offer our assistance in the approval of your future products through our extensive range of technical services. Please feel free to contact us whatever your requirements may be.

With kind regards,

Certification Body


Dipl.-Ing. M. Geiser

Enclosure

Zertifikat Certificate



Zertifikat Nr. Certificate No. R 50143515
Blatt Page 0001

Ihr Zeichen Client Reference	Unser Zeichen Our Reference	Ausstellungsdatum	Date of Issue (day/mo/yr)
PVB 3J 080523	ZO-SHY- 12307197 001	26.12.2008	

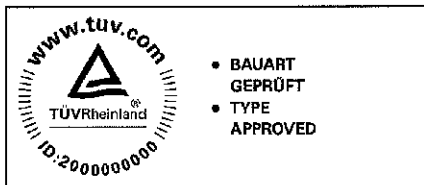
Genehmigungsinhaber License Holder
KITANI ELECTRIC CO., LTD.
1-13-3 Nagaokagu-machi
Hirakata-shi, Osaka
573-0102 JAPAN

Fertigungsstätte Manufacturing Plant
KITANI ELECTRIC CO., LTD.
Sha Tou Industrial Park
Dong Da Road
Changan Zhem, Dong Guan City
Guang Dong Province 523861
P.R. China

Prüfzeichen Test Mark

Geprüft nach Tested acc. to

DIN V VDE V 0126-5/05.08
DIN V VDE V 0126-3/12.06



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

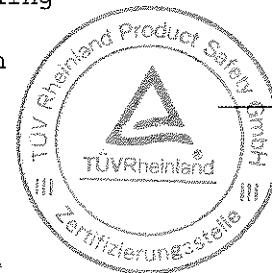
PV-Anschlussdose Junction Box for Photovoltaic-Systems

Type Designation	:	KTN-PVB I J II III-IV-V	5
I = 4, 3 or 2			1
II = P, N, X, W or blank			1
III = SL or blank			1
IV = 10K, 25K, 10M, 25M, JW or blank			1
V = S or G			1
Rated Voltage	:	DC 1000V	
Rated Current	:	max. 40A	
IP-code	:	IP67	
Ambient Temperature	:	-40°C to +90°C	
Insulation System	:	Reinforced insulation	
Use	:	Outdoor application in class II equipment	
Classification	:	Fixed connector without breaking capacity	
Terminals	:	Solderless crimped connection	

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety



Zertifizierungsstelle

Dipl.-Ing. M. Geiser