

New Generation Junction Box PV-JM825



Main Features

Electrical Features

Rated Voltage: 1000V DC

Contact resistance: $\leq 5\text{m}\Omega$

Protection Class: II

Mechanical Features

Temp. Range: $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$

Wire Size Range: 4mm^2

Protection Degree: IP67 Closed

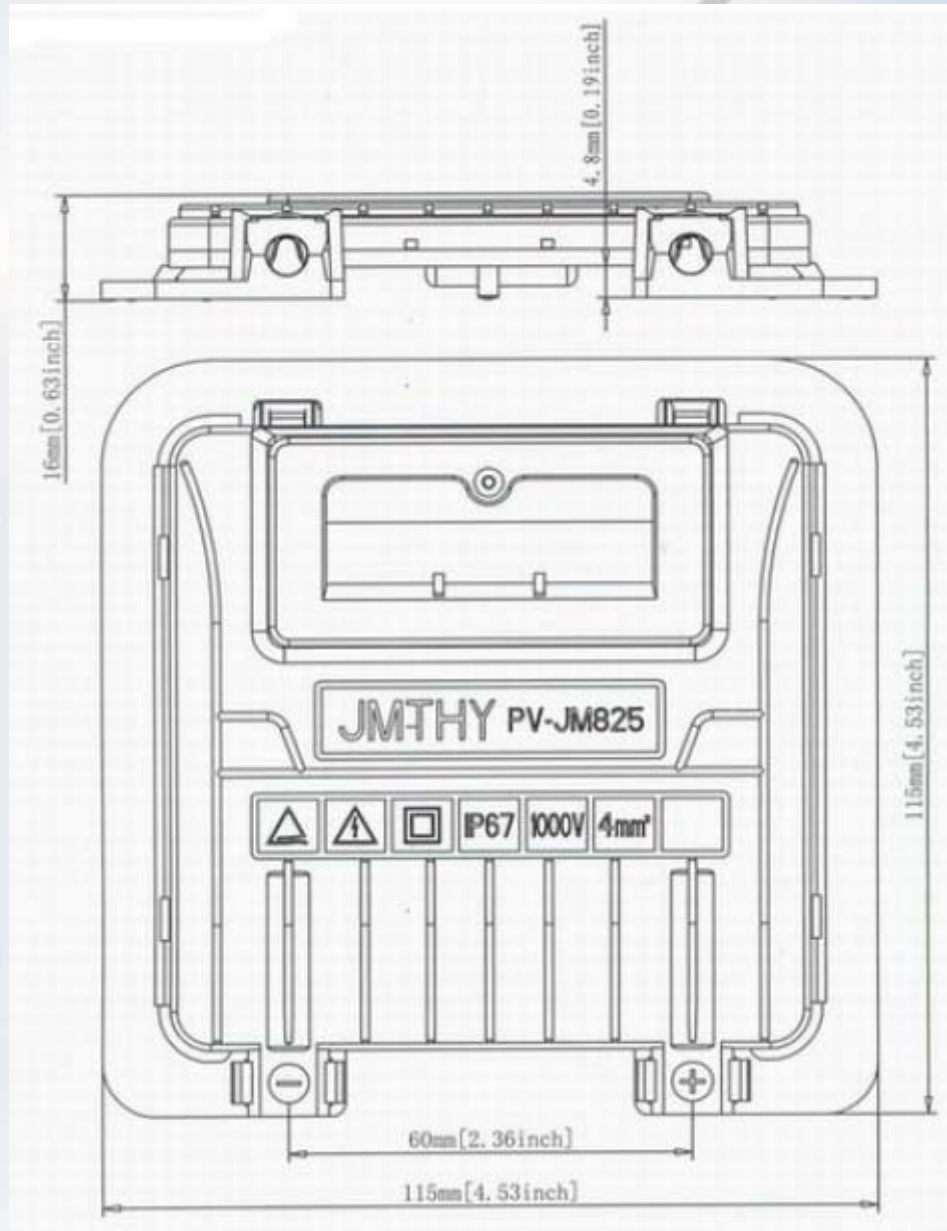
Material Features

Insulation material :PPO Black

Contact material: **Copper Tin plated**

Flame Class: UL94-V0

Dimension



Advantage 1 Waterproof Performance

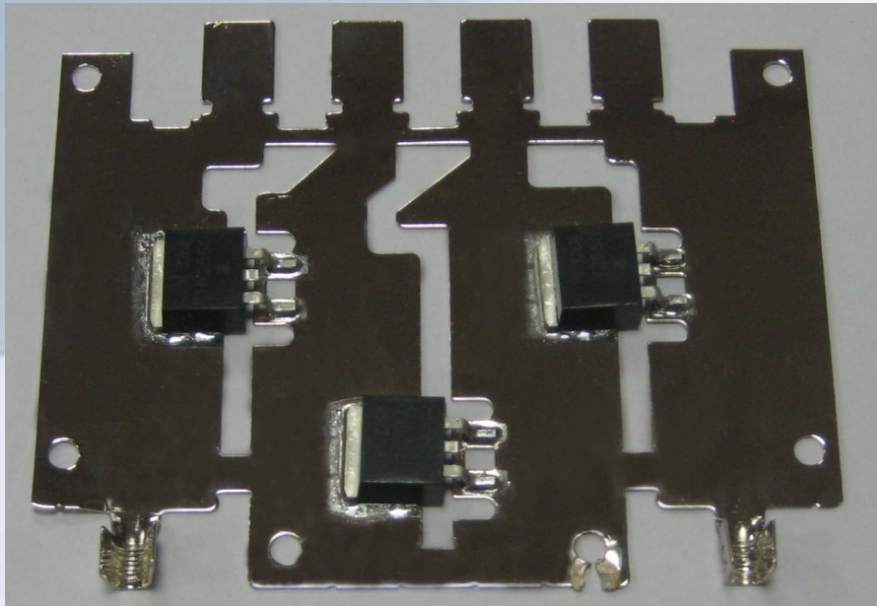


***Waterproof Degree of PV-
JM825 is***

IP67

***Otherwise, normal junction
box only has IP65***

Advantage 2 Heat Dispersion



Excellent heat dispersion with

Copper material

Temperature inside will be

10 °C lower

than normal junction box during operation

Better performance under

high temperature environment

Advantage 3 SMD Diode

SMD=surface-mount device

Nominal operational current of SMD

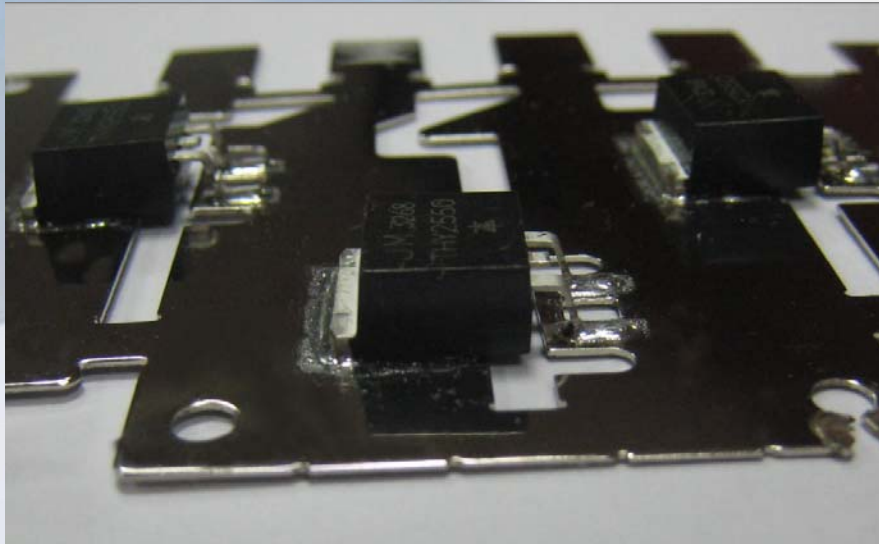
Diode is **15A** against 12A for cylindrical diode

Compare with cylindrical diode under same current operation

Lower heat generation

Faster heat dispersion

Lower power wastage on diode



Advantage 4 Versatile Design



16MM thickness

***This design is applied for
variety of solar panel
models***

TUV Certificate(PV-JM825)

Zertifikat		Certificate			
Zertifikat Nr. <i>Certificate No.</i>	R 50175585	Blatt <i>Page</i>	0004		
Ihr Zeichen <i>Client Reference</i>	W.F.A.	Unser Zeichen <i>Our Reference</i>	01-LXL- 15036178 011	Ausstellungsdatum <i>Date of Issue</i>	01.06.2012
Genehmigungsinhaber <i>License Holder</i>		Fertigungsstätte <i>Manufacturing Plant</i>			
Zhejiang Jiaming Tianheyuan Photovoltaics Technology Co., Ltd. 158# Jinci Road Hangzhouwan New Zone Cixi, Zhejiang 315300 P.R. China		Zhejiang Jiaming Tianheyuan Photovoltaics Technology Co., Ltd. 158# Jinci Road Hangzhouwan New Zone Cixi, Zhejiang 315300 P.R. China			
Prüfzeichen <i>Test Mark</i>		Geprüft nach <i>Tested acc. to</i>			
		DIN V VDE V 0126-5/05.08			
Zertifiziertes Produkt <i>(Geräteidentifikation)</i>		Lizenzentgelte - Einheit <i>License Fee - Unit</i>			
Certified Product <i>(Product Identification)</i>					
PV-Anschlussdose (Junction Box for PV Module)					
as page 0001					
Change rating for					
Type Designation	: PV-JM825				
Protection Degree	: IP67				
ANLAGE (Appendix): 1.3					
<small>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.</small>					
TUV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg					
Tel.: (+49)2218 06 - 13 71 e-mail: cert-validity@de.tuv.com					
Fax: (+49)2218 06 - 39 35 http://www.tuv.com/safety					
				Dipl.-Ing. (FH) Bernd Scheirer	



Thank you!