

**COYO** *Connect Solar to You*



Green Energy Product  
**Solar PV**

# COMPANY PROFILE

LEATEC Fine Ceramics Co., Ltd. was found and headquartered in Taoyuan, Taiwan in 1991. The main product in the beginning is chip alumina fine ceramics substrate only, but LEATEC has kept developing new products such as LED package substrate, Hybrid IC substrate and car-used electronic substrate to meet customers' needs and become a top manufacturer of fine ceramics substrates in Taiwan for 25 years.



LEATEC engaged in Solar PV industry and established Green Products Division in May 2008. The main products are PV junction boxes, PV connectors, and PV cable assemblies, and most standard PV products (Logo: COYO) are TUV/UL certified. The outlook of us is extremely positive, as it continues to grow and refine its product line, provide leadership in this field, and obtain quality accounts at a sustainable pace. You're on the move; LEATEC will help you gear up for life.

## COMPANY DATA

- Establish : 1991
- Green Products Division: 2008
- Total Employees (Including Taiwan & China) : 600
- Being one of the stock of listed companies in OTC : 2002 【Stock No.: 6127】

## COMPANY HISTORY

- 2017 1500V Connector reach 70 Ampere
- 2016 Developed 1500V Junction boxes / Connectors
- 2012 Developed 1000V Solar Products
- 2011 Developed Smart String Monitoring System
- 2010 Shipped over 12M pcs of PV Connectors and 600K pcs of Junction Boxes
- 2008 Started to develop Solar PV Products including PV Junction Boxes, PV Connectors, and PV Cable Assemblies
- 2005 Started to develop Car-used Electronic Materials
- 2003 Expanded to LED Package Substrates Field
- 2002 Stock listing on the OTC market since January 10th
- 2001 Invested in LEATEC Fine Ceramics (Kunshan) Co.,Ltd and start to manufacture Alumina Chip Resistor Substrates
- 1993 Launched into mass production of 96% Alumina Ceramic Substrates; For examples, Resistor Network Substrates, Thick Film Substrates and Variable Resistor Substrates
- 1991 Found on December 2nd and registered capital was NTD 80 Million



# 2-RAIL JUNCTION BOX

(FOR BIPV, THIN FILM & FLEXIBLE MODULE)



JBN1



## Technical Data

Cable Size	2.5mm <sup>2</sup> / 4.0mm <sup>2</sup> / 14AWG / 12AWG
Rated Voltage	1500V/ 1000V (TUV/ UL)
Contact Resistance	≤0.5mΩ (CN4V/ CN40)
Protection Class	II
Housing Material	PPO
Terminal Material	Copper (C1100), Tin Plated
Protection Degree	IP67/ IP68 (with Potting)
Flame Class	UL94V-0
Temperature Range	-40°C to +85°C
Busbar Connection	Soldering/ Clamping
Connector System	MC4 Compatible

## JBN1 SERIES (Box Size: 38X60X15mm)

Product No.	Diode	JB Rated Current
JBN1-ZXXX	No Diode	25A
JBN1-MXXX	10A/ 1000V	7A



JBQ2



## JBQ2/ R2 SERIES

(Box Size: 67X68X20mm)

Product No.	Diode	JB Rated Current	Cable Length
JBQ2-VXXX	10A/ 1KV	5A	120cm
JBR2-GXXX	12A/ 200V	9A	120cm



CM25



## CM25 SERIES

(Box Size: 150X13X10mm)

Product No.	Diode	JB Rated Current	Cable Length
CM25-XXXX	5A/ 1KV	4.3A	60/ 100cm
	8A/ 1KV	6A	60/ 100cm

# 4-RAIL JUNCTION BOX



**CM13**

## Technical Data

Cable Size	2.5mm <sup>2</sup> / 4.0mm <sup>2</sup> / 14AWG / 12AWG
Rated Voltage	1500V / 1500V (TUV / UL)
Contact Resistance	≤0.5mΩ (CN4V / CN40)
Protection Class	II
Housing Material	PPO
Terminal Material	Copper (C1100), Tin Plated
Protection Degree	IP67 / IP68 (with Potting)
Flame Class	UL94V-0
Temperature Range	-40°C to +85°C
Busbar Connection	Soldering / Clamping
Connector System	MC4 Compatible

### CM13 SERIES (Box Size: 87X80X23mm)

Product No.	Diode	JB Rated Current	Cable Length
CM13-XXXX	16A / 40V	12A	100cm



**CM24**

### CM24 SERIES (BOX Size: 96X77X17mm)

Product No.	Diode	JB Rated Current	Cable Length
CM24-XXXX	25A / 45V	15A	90 / 100 cm
	30A / 45V	18A	90 / 100 cm



**CM26**

### CM26 SERIES (BOX Size: 94X74X15mm)

Product No.	Diode	JB Rated Current	Cable Length
CM26-XXXX	20A / 45V	14A	90 / 100 cm
	30A / 45V	15A	90 / 100 cm

# PV CONNECTOR



CN4V



## Technical Data

Cable Size	2.5mm <sup>2</sup> / 4.0mm <sup>2</sup> / 6mm <sup>2</sup> / 10mm <sup>2</sup> / 14AWG / 12AWG / 10AWG / 8AWG
Rated Voltage	(TUV/ UL) 1500V/ 1500V
Rated Current	(UL) 70A Max
Contact Resistance	≤0.5mΩ
Protection Class	II
Housing Material	PPO
Terminal Material	Copper (C1100), Tin Plated
Protection Degree	IP67 / IP68
Flame Class	UL94V-0
Temperature Range	-40°C to +85°C
Connector System	MC4 Compatible



Normal Current



Heavy Current  
Up to 70A Max(UL)

## CN4V SERIES

Product No.	Type	Rated Current (TUV)			Rated Current (UL)		
		4.0mm <sup>2</sup>	6.0 mm <sup>2</sup>	10.0 mm <sup>2</sup>	12AWG	10AWG	8AWG
CN4V-AXXX	Cable Side	33A	40A	65A	35A	50A	70A
CN4V-BXXX	Panel Side						

# PV CONNECTOR



**CN40**  

## Technical Data

Cable Size	2.5mm <sup>2</sup> / 4.0mm <sup>2</sup> / 6mm <sup>2</sup> / 10mm <sup>2</sup> / 14AWG / 12AWG / 10AWG / 8AWG
Rated Voltage	(TUV / UL) 1500V / 1000V
Rated Current	(TUV) 45A Max
Contact Resistance	≤0.5mΩ
Protection Class	II
Housing Material	PPO
Terminal Material	Copper (C1100), Tin Plated
Protection Degree	IP67
Flame Class	UL94V-0
Temperature Range	-40°C to +85°C
Connector System	MC4 Compatible



**BN40**  



**CM14**  

## CN40 SERIES

Product No.	Type	Rated Current (TUV)			Rated Current (UL)		
		4.0mm <sup>2</sup>	6.0 mm <sup>2</sup>	10.0 mm <sup>2</sup>	12AWG	10AWG	8AWG
CN40-AXXX	Cable Side	25A	35A	45A	20A	30A	40A
CN40-BXXX	Panel Side						

## PV BRANCH CONNECTOR/ FUSE CONNECOTR

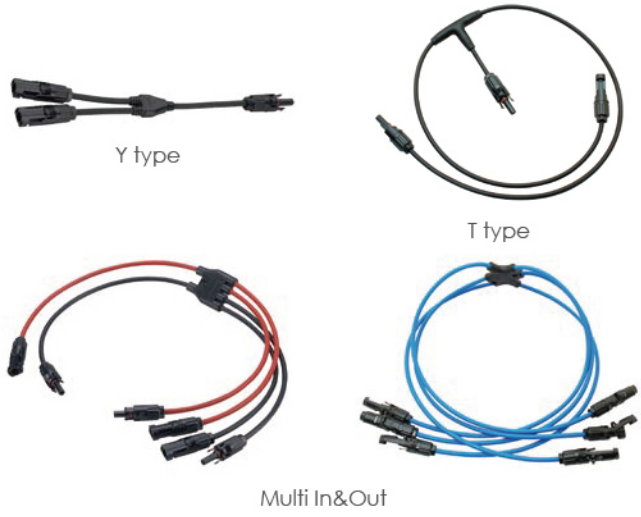
Product No.	Product Description	Rated Current	
		TUV	UL
BN40-XXXX	2 Male & 1 Female / 1 Male & 2 Female	25A	20A
CM14-XXXX	Fuse connector, max fuse 15A	35A	30A

# PV CABLE ASSEMBLY

LEATEC's PV cable assembly series contain the features of anti-UV, applied for any requirement of bad circumstance usage. User-friendly designed, LEATEC's PV connector is made against strong pulling force and harsh environment. More customized PV Products can be produced based on customer request.

## Technical Data

Rated Voltage	(TUV / UL ) 1500V/1000V
Temperature Range	-40°C to +85°C
PV Cable Length	Option



# TOOLS & OTHERS



Crimping Tool	
CT10-0001	FOR 1.5mm <sup>2</sup> , 2.5mm <sup>2</sup> , 4.0mm <sup>2</sup> , Stamping pins (9 inches arms)
CT10-0046	FOR 2.5mm <sup>2</sup> , 4.0mm <sup>2</sup> , 6.0mm <sup>2</sup> , Stamping pins (10 inches arms)
CT10-0074	Crimping die For Cable Size: 2.5mm <sup>2</sup> / 14AWG , 4.0mm <sup>2</sup> / 12AWG & 6.0mm <sup>2</sup> / 10AWG CNC machined pins
CT10-0110	FOR 10.0mm <sup>2</sup> CNC machined pin (10 inches arms)





**LEATEC**

[www.leatec.com.tw](http://www.leatec.com.tw)

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