LUXSOLAR

MC4 Solar connectors

Solutions Catalogue

SCAN FOR CATALOG 05

For the content contained in this manual, Gandian Lightning Protection has the final right to interpret. For more detailed information, please inquire; our company's technical engineers will serve you wholeheartedly. Because of the continuous innovation of product technology, please refer to the actual product or the manual; Subject to change without notice.

Use environmentally friendly materials

+36 30 122 4862 INFO@LUXSOLAR.HU WWW.LUXSOLAR.HU LUXSOLAR MAGYARORSZÁG KFT.

ISO CQC CE CB RoHS TÜV Rheinland GA&DA

www.luxsolar.hu

GA&DA

Gandianfanglei

Better life, better electricity

不辜负每一份电力，让电尽其所能

VIZIOTÓL A KIVITELEZÉSIG | FROM VISION TO EXECUTION

GANDIAN LANGYONG

有品质才有市场，有改进才有进步，有创新才有发展

坚守专业与责任，做行业的领跑者

Stick to professionalism and responsibility
and be the leader of the industry

ISO | CQC | CE | CB | RoHS | TÜV Rheinland

LUXSOLAR

Gandian Lightning Protection Electric Co., Ltd. is a modern high-tech enterprise dedicated to the design, research and development, production, sales and service of lightning safety protection e-quipment. The company is located in the economic and technolo-gical development zone of Jiujiang City, the only international trade port city in Jiangxi Province.The total plant construction area is 39,960 square meters, the factory covers an area of 29970.16 square meters, and there are more than 200 employees.

Through continuous reform and innovation, the company develops its own brand, showing a new look of internationalization, modernization and informationization. Break through high-end industries with focus, upgrade traditional industries with automation, actively build automated electrical equipment bases, gather a team of highly skilled experts, strengthen the simultaneous development of advanced equipment industry and modern service industry, have a variety of fully functional product performance testing laboratories, 8/20us 150kA compatible with 10/350us 25kA simulated lightning laboratory, 10/350us 120kA simulated lightning laboratory, 1.2/50us combined wave generator, 1.2/50us voltage generator, gap, discharge tube detector, thermal stability test System, lightning online monitoring system, intelligent lightning protection detection system, SPD backup protector power frequency current test, lightning non-trip current test system and a series of advanced detection equipment, to ensure the stability and innovation of our products!

Independently develop a number of advanced production and processing automatic assembly lines, which integrate automatic glue filling, Independently develop a number of advanced production and processing automatic assembly lines, which integrate automatic glue filling, automatic soldering, automatic laminating, pad printing, laser marking, automatic detection and uploading of data, automatic sealing and packaging and other automatic equipment to ensure each product Consistency, fully guarantee efficient production and high-quality management, with unified planning of logistics, production, life and other service facilities, and strive to build a first-class intelligent production industrial base with international competitiveness.

The company took the lead in passing ISO9001 quality system certification, ISO14001 environmental management system certification, OHSAS18001 occupational health and safety management system, CQC certification, European Community CE certification, TUV Rheinland certification, CB certification, Rohs certification, and established a system from software and hardware. A strict quality management system can meet the various needs of new and old customers with the fastest speed, the best products, and the best services; sales points are set up throughout the country, and the sales scope radiates to all provinces in China, Southeast Asia, South America, and Europe , Africa and many other places, the service scope is all over the country, and the high-quality products and good service have won the favor of the majority of customers.

The main products are power surge protector series, smart lightning protection series, smart surge protector series, smart lightning pro- The main products are power surge protector series, smart lightning protection series, smart surge protector series, smart lightning protection box series, signal lightning protection series, fuses, circuit breakers, photovoltaic connectors, transfer switches, photovoltaic cables Wait. The products are mainly used in the construction of urban and rural power grids, urban infrastructure construction, factory construction stages, major domestic and foreign oil fields, petrochemical companies, shipbuilding industry, offshore oil drilling platforms, military power construction, photovoltaic power generation, wind power generation, coal, petroleum , Chemical, industrial and mining, hospitals, airports and other fields.

The company adheres to the corporate culture of "integrity first, happiness in the world, sharing and win-win", adheres to the spirit of "pragmatism, hard work, and dedication", and has the dream of "revitalizing national industry and assuming social morality". With the principle of trust, persist in realizing the new situation of "sustainable development, cooperative innovation", with the attitude of "professional, dedicated, rigorous, and eager to learn", always practice the glorious mission of "based on Rael Dunwei and build a world brand together" .

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Staff living area

The staff living area has 4360 square meters, 42 single rooms, 28 suites, supporting internal canteen, fitness area, outdoor activity area

Stamping and injection molding area

The stamping and injection molding area has 6800 square meters, 30 injection molding machines, 7 45T stamping machines, 5 35T stamping —achines, 8 25 stamping machines, and the remaining 18 stamping machines of each tonnage

Comprehensive production area

The comprehensive production area has 8,100 square meters, dozens of production lines for various products , a simulation laboratory for lightning strikes, and various lightning protection products test instruments, etc.

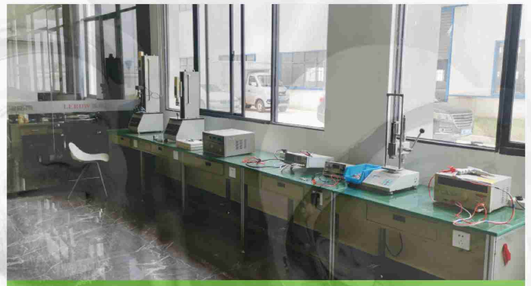
实验设备 Laboratory And Testing

Lab 1

Lab 2

Lab 3

R&D Center No. 1


R&D Center No. 2

Glow Wire Tester

SPD thermal stability test system

Coupling and decoupling online cabinet

1.2/50μs combined wave generator

Programmable salt spray test machine

Simulated lightning test platform

Programmable constant temperature and humidity test chamber

1.2/50μs voltage wave generator

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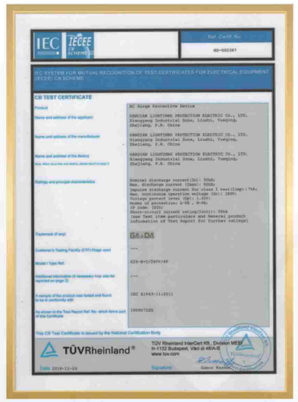
证书 Certificate And International Patents

ISO14001

ISO9001

OHSAS18001



CB

CQC

RoHS

TUV-CE

TUV

CE

Solar PV Conector

PV Connector 1000V Series

Solar PV Connector
GDPV004

Type	GDPV004
Rated Voltage	1000V DC
Rated Current	30A
Standard	IEC 62852
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+85℃
Cable Cross Section Area	2.5mm².4mm².6mm²
Insulation Material	PC EXL 9330
Flame Class	UL94 V-0
Order Code	230012

Diode Connector
GDPV004-D

Type	GDPV004-D
Rated Voltage	1000V DC
Contact Materials	Tin Plated Copper
Rated Current	10A,15A,20A
Standard	IEC 62852
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+85℃
Insulation Material	PPO
Flame Class	UL94 V-0
Order Code	230013

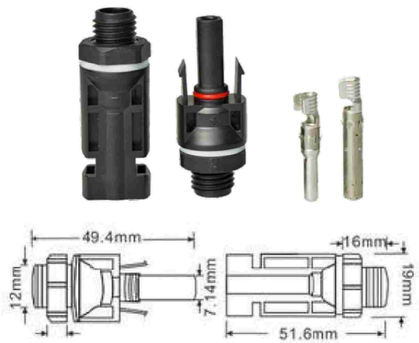
We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress.

Solar PV Conector
PV Connector 1000V Series

Fuse Connector
GDPV004-F

Type	GDPV004-F
Rated Voltage	1000V DC
Contact Materials	Tin Plated Copper
Rated Current	10A,15A,20A
Standard	IEC 62852
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+85℃
Insulation Material	PPO
Flame Class	UL94 V-0
Order Code	230014

Plate End Connector
GDPV004-P



Type	GDPV004-P
Rated Voltage	1000V DC
Contact Materials	Tin Plated Copper
Rated Current	20A
Standard	IEC 62852
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+85℃
Thread Size	12mm
Insulation Material	PPO
Flame Class	UL94 V-0
Order Code	230015

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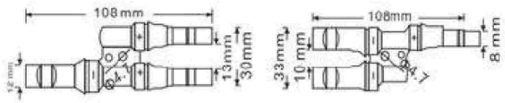
Solar PV Conector

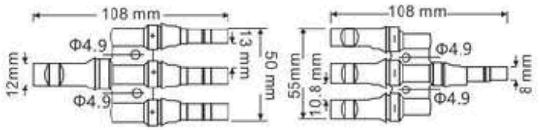
T Type Branch Connector 1000V Series

2 to 1 T Branch Connector



Type	GDPV004-T2
Rated Voltage	1000V DC
Rated Current	30A
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+90℃
Contact Materials	Tin Plated Copper
Adapter Connector	PV004/PV005
Insulation Material	PPO
Flame Class	UL94 V-0
Order Code	230016

3 to 1 T Branch Connector

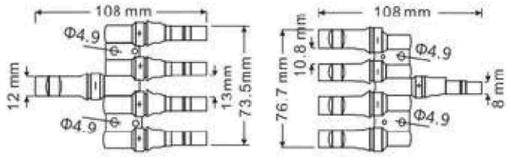


Type	GDPV004-T3
Rated Voltage	1000V DC
Rated Current	30A
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+90℃
Contact Materials	Tin Plated Copper
Adapter Connector	PV004/PV005
Insulation Material	PPO
Flame Class	UL94 V-0
Order Code	230017

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress.

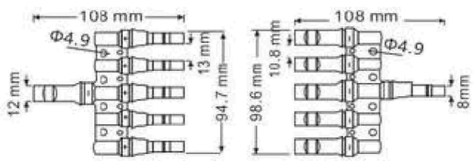
Solar PV Conector
T Type Branch Connector 1000V Series

4 to 1 T Branch Connector



Type	GDPV004-T4
Rated Voltage	1000V DC
Rated Current	30A
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+90℃
Contact Materials	Tin Plated Copper
Adapter Connector	PV004/PV005
Insulation Material	PPO
Flame Class	UL94 V-0
Order Code	230018

5 to 1 T Branch Connector



Type	GDPV004-T5
Rated Voltage	1000V DC
Rated Current	30A
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+90℃
Contact Materials	Tin Plated Copper
Adapter Connector	PV004/PV005
Insulation Material	PPO
Flame Class	UL94 V-0
Order Code	230019

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Solar PV Conector

Y Type Branch Connector 1000V Series

2 to 1 Y Branch Connector

Type	GDPV004-2T1
Rated Voltage	1000V DC
Rated Current	30A
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+85℃
Contact Materials	Tin Plated Copper
Insulation Material	PPO/XLPE
Flame Class	UL94 V-0
input Cable	PV Cable 1X4mm²
Output Cable	PV Cable 1X4mm²
Order Code	230020

3 to 1 Y Branch Connector

Type	GDPV004-3T1
Rated Voltage	1000V DC
Rated Current	30A
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+85℃
Contact Materials	Tin Plated Copper
Insulation Material	PPO/XLPE
Flame Class	UL94 V-0
input Cable	PV Cable 1X4mm²
Output Cable	PV Cable 1X4mm²
Order Code	230021

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Solar PV Conector

Y Type Branch Connector 1000V Series

4 to 1 Y Branch Connector

Type	GDPV004-4T1
Rated Voltage	1000V DC
Rated Current	30A
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+85℃
Contact Materials	Tin Plated Copper
Insulation Material	PPO/XLPE
Flame Class	UL94 V-0
input Cable	PV Cable 1X4mm²
Output Cable	PV Cable 1X4mm²
Order Code	230022

X to 1 Y Branch Connector

Type	GDPV004-XT1
Rated Voltage	1000V DC
Rated Current	30A
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+85℃
Contact Materials	Tin Plated Copper
Insulation Material	PPO/XLPE
Flame Class	UL94 V-0
input Cable	PV Cable 1X4/6mm²
Output Cable	PV Cable 1X4/6mm²
Order Code	230023

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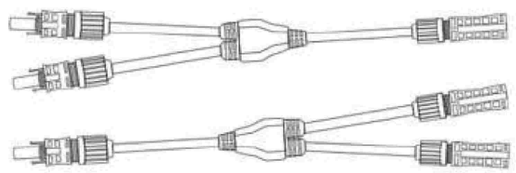
Solar PV Conector

Y Type Branch Connector 1500V Series

2 to 1 Y Branch Connector



Type	GDPV005-2T1
Rated Voltage	1500V DC
Rated Current	30A
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+85℃
Contact Materials	Tin Plated Copper
Insulation Material	PPO/XLPE
Flame Class	UL94 V-0
input Cable	PV Cable 1X4mm²
Output Cable	PV Cable 1X4mm²
Order Code	230024

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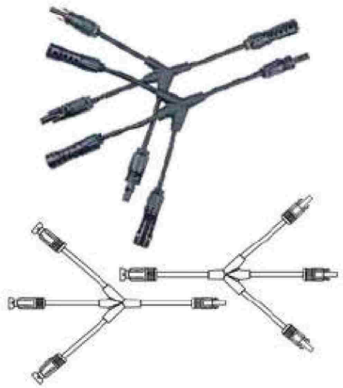
Solar PV Conector

Y Type Branch Connector 1500V Series

3 to 1 Y Branch Connector



Type	GDPV005-3T1
Rated Voltage	1500V DC
Rated Current	30A
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+85℃
Contact Materials	Tin Plated Copper
Insulation Material	PPO/XLPE
Flame Class	UL94 V-0
input Cable	PV Cable 1X4mm²
Output Cable	PV Cable 1X4mm²
Order Code	230025

4 to 1 Y Branch Connector

Type	GDPV005-4T1
Rated Voltage	1500V DC
Rated Current	30A
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+85℃
Contact Materials	Tin Plated Copper
Insulation Material	PPO/XLPE
Flame Class	UL94 V-0
input Cable	PV Cable 1X4mm²
Output Cable	PV Cable 1X4mm²
Order Code	230026

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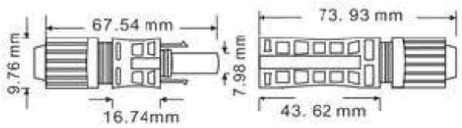
Solar PV Conector

Solar PV Connector 1500V Series

Photovoltaic Connector

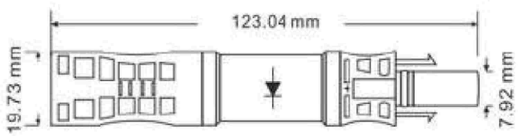
GDPV005



Type	GDPV005
Rated Voltage	1500V DC
Rated Current	30A
Standard	IEC 62852
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+85℃
Cable Cross Section Area	2.5mm².4mm².6mm²
Insulation Material	PC EXL 9330
Flame Class	UL94 V-0
Order Code	230027

Diode Connector

GDPV005-D



Type	GDPV005-D
Rated Voltage	1000V DC
Contact Materials	Tin Plated Copper
Rated Current	10A,15A,20A
Standard	IEC 62852
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+85℃
Insulation Material	PPO
Flame Class	UL94 V-0
Order Code	230028

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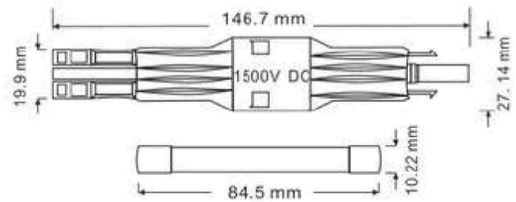
Solar PV Conector

Solar PV Connector 1500V Series

Fuse Connector

GDPV005-F



Type	GDPV005-F
Rated Voltage	1500V DC
Contact Materials	Tin Plated Copper
Rated Current	15A,20A,25A
Standard	IEC 62852
Protection Degree	IP67
Contact Resistance	≤0.5mΩ
Pollution Degree	2
Ambient Temperature	-40℃~+85℃
Insulation Material	PPO
Flame Class	UL94 V-0
Order Code	230029

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Solar PV Conector

Solar PV Connector 1500V Series

PV005-FA
230030

PV005-FB
230031

PV005-FC
230032

PV005-FD
230033

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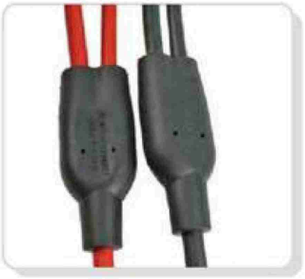
Solar PV Conector
Solar PV Connector 1500V Series



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Solar Tool Kits model

C4K-A

Crimping Pliers(Big):	Wire Cutters
Wire Stripper:	Nipper Pliers
Screw Driver:	Connector Spanner
Order Code:	230037

C4K-B

Crimping Pliers(Small):	Wire Cutters
Wire Stripper:	Nipper Pliers
Screw Driver:	Connector Spanner
Order Code:	230038

C4K-C

Crimping Pliers(Big):	Wire Cutters
Wire Stripper:	Connector Spanner
Order Code:	230039

C4K-D

Crimping Pliers(Samll):	Wire Cutters
Wire Stripper:	Connector Spanner
Order Code:	230040

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Accessories

Screw Driver

Nipper Pliers

Wire Stripper

Wire Cutters

Crimping Pliers(samll)

Mc4 Spanner

Solar Connector

Crimping Pliers(samll)

Pressure To Demonstrate

Rrepare The Tools

1.Cut The Wire

Use wire cutters to cut out the desired length.

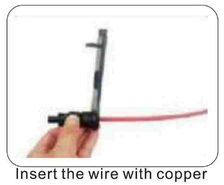
2.Wire Stripping

Use wire strippers to strip out the cable about 1cm.

3.Crimping

Use crimping pliers to fix copper terminals on the end of strippedcable.

4.Combination


Insert the wire with copper terminals of the connector, and use spanner to tighten the nut.

5.Docking

Connect the positive and negative terminals of the connector, ensure that the latch is fully inserted and locked.

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