

Green Energy, Environmental Protection



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# Production Workshop



# Production Equipment

The workshop is equipped with fully automated equipments by high production efficiency.

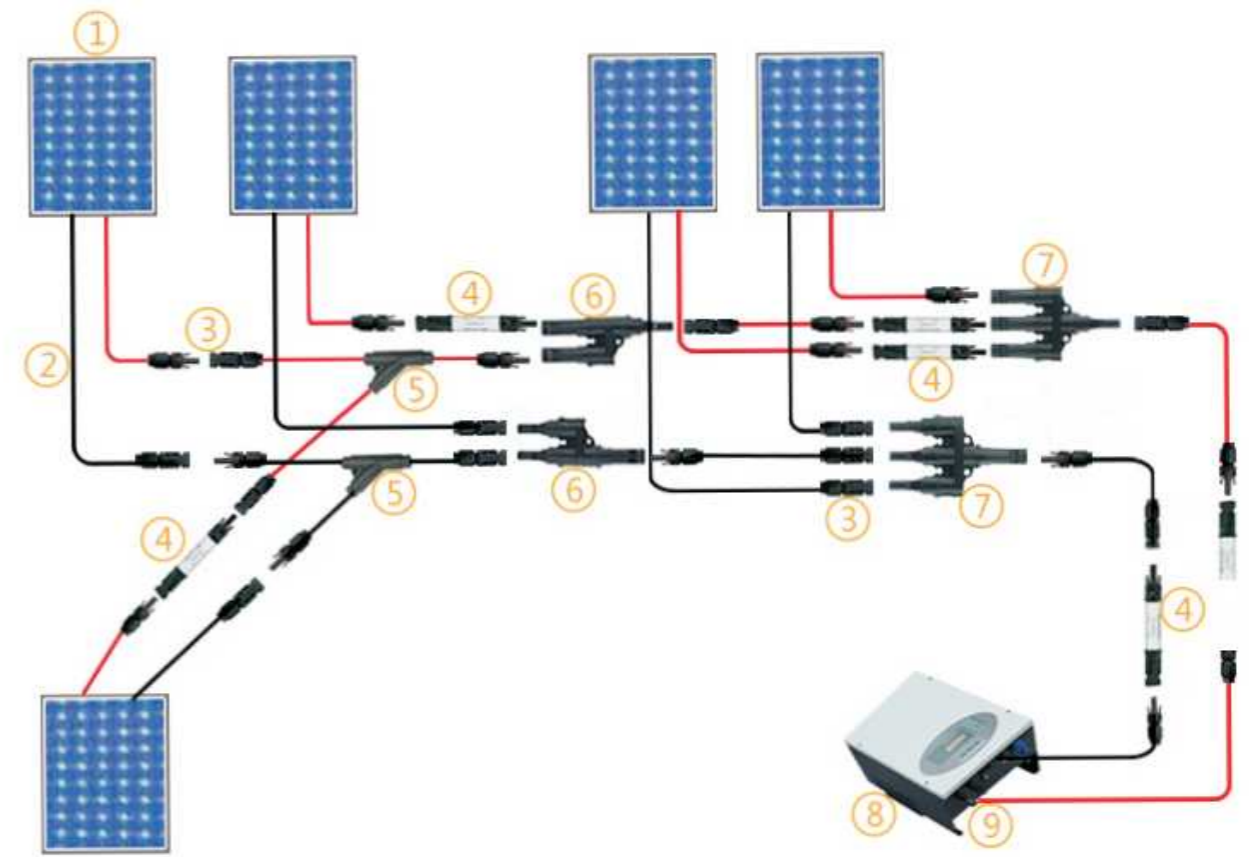


# Application Field

Photovoltaic connectors are one of the core components of photovoltaic power generation systems, and are mainly used for circuit connections from outdoor solar panels to inverters/combiner boxes.



# Installation Operation



- |                           |                        |
|---------------------------|------------------------|
| Solar panels              | Photovoltaic cable     |
| PV-MC Cable PV Connector  | MC-F Fuse Connector    |
| MCY201 branch connector   | MCH20 Branch Connector |
| MCH301branch connector    | PV Inverter            |
| PV-BMC Panel PV Connector |                        |

# Qualification certificate



Raw materials of the products all have environmental reports such as SGS, REACH, RoHS, MSDS etc.



## Content

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# Ten years Manufacturer specializing in the photovoltaic connectors

## Advantage :

- South German TUV certification, quality assurance
- Imported PPO material, safer insulation
- IP68 waterproof grade

## Features :

- V0 flame retardant, strong anti-aging, radiation resistance,
- high temperature resistance, low temperature resistance
- excellent electrical conductivity, easy installation

## 1000V PV-Connector

Model: PV-MC(new)

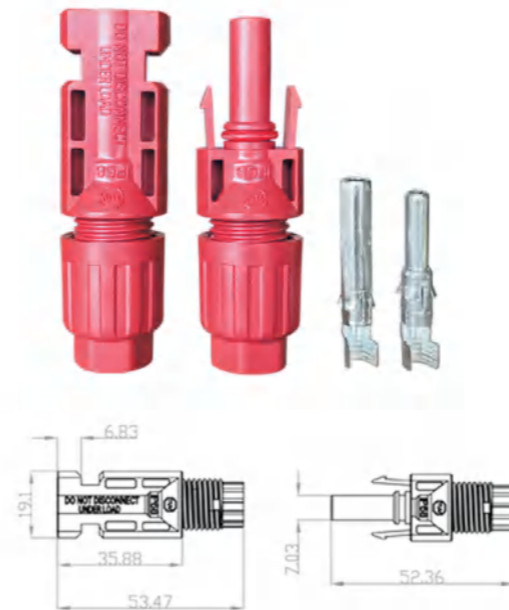


Model: PV-MC



## 1000V PV-Connector

Model: PV-MC (red )



Model: PV-MC(WG)



Model	PV-MC (new)	PV-MC	PV-MC (red)	PV-MC(WG)
Rated voltage	1000V	1000V	1000V	1000V
Insulation material	PPO material	PPO material	PPO material	PC material
Conductor material	tinned copper	tinned copper	tinned copper	tinned copper
Ambient temperature	-40°C ~ +95°C	-40°C ~ +95°C	-40°C ~ +90°C	-40°C ~ +90°C
Temperature resistance	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C
Secueity Level	DCII	DCII	DCII	DCII
Waterproof level	IP68	IP68	IP68	IP68
Contact resistance	≤0.5mΩ	≤0.5mΩ	≤0.5mΩ	≤0.35mΩ
Connection	multi-point	multi-point	multi-point	multi-point
Self-locking system	embedded	embedded	embedded	embedded
Termination	crimp	crimp	crimp	crimp
Wiring Spec	2.5mm <sup>2</sup> , 4mm <sup>2</sup> , 6mm <sup>2</sup>	2.5mm <sup>2</sup> , 4mm <sup>2</sup> , 6mm <sup>2</sup>	2.5mm <sup>2</sup> , 4mm <sup>2</sup> , 6mm <sup>2</sup>	2.5mm <sup>2</sup> , 4mm <sup>2</sup> , 6mm <sup>2</sup>
Rated current	1.5mm <sup>2</sup> :17A	1.5mm <sup>2</sup> :17A	1.5mm <sup>2</sup> :17A	1.5mm <sup>2</sup> :17A
	2.5mm <sup>2</sup> :22.5A	2.5mm <sup>2</sup> :22.5A	2.5mm <sup>2</sup> :22.5A	2.5mm <sup>2</sup> :22.5A
	4mm <sup>2</sup> ~ 6mm <sup>2</sup> :30A	4mm <sup>2</sup> ~ 6mm <sup>2</sup> :30A	4mm <sup>2</sup> ~ 6mm <sup>2</sup> :30A	4mm <sup>2</sup> ~ 6mm <sup>2</sup> :30A
Flammability rating	UL94-VO	UL94-VO	UL94-VO	UL94-VO

# PV-Connector

## 1500V PV -Connector

Model : PV-15MC



Model : PV-MC10



Model	PV-15MC	PV-MC10
Rated voltage	1500V	1500V
Insulation material	PPO material	PPO material
Conductor material	tinned copper	tinned copper
Ambient temperature	-40°C ~ +90°C	-40°C ~ +90°C
Temperature resistance	-40°C ~ +135°C	-40°C ~ +135°C
Security Level	DCII	DCII
Waterproof level	IP68	IP68
Contact resistance	≤0.35mΩ	≤0.35mΩ
Connection	multipoint	multipoint
Self-locking system	embedded	embedded
Termination	crimp	crimp
Wiring Spec	2.5mm <sup>2</sup> , 4mm <sup>2</sup> , 6mm <sup>2</sup>	10mm <sup>2</sup>
Rated current	1.5mm <sup>2</sup> :17A 2.5mm <sup>2</sup> :22.5A 4mm <sup>2</sup> ~ 6mm <sup>2</sup> :30A	50A
Flammability rating	UL94-VO	UL94-VO

## Panel Connector

Model : PV-BMC



Model : PV-15BMC



Model	PV-BMC	PV-15BMC
Rated voltage	1000V	1500V
Insulation material	PPO material	PPO material
Conductor material	tinned copper	tinned copper
Ambient temperature	-40°C ~ +90°C	-40°C ~ +90°C
Temperature resistance	-40°C ~ +135°C	-40°C ~ +135°C
Security Level	DCII	DCII
Waterproof level	IP68	IP68
Contact resistance	≤0.35mΩ	≤0.35mΩ
Connection	multipoint	multipoint
Self-locking system	embedded	embedded
Termination	crimp	crimp
Wiring Spec	2.5mm <sup>2</sup> , 4mm <sup>2</sup> , 6mm <sup>2</sup>	2.5mm <sup>2</sup> , 4mm <sup>2</sup> , 6mm <sup>2</sup>
Rated current	1.5mm <sup>2</sup> :17A 2.5mm <sup>2</sup> :22.5A 4mm <sup>2</sup> ~ 6mm <sup>2</sup> :30A	1.5mm <sup>2</sup> :17A 2.5mm <sup>2</sup> :22.5A 4mm <sup>2</sup> ~ 6mm <sup>2</sup> :30A
Flammability rating	UL94-VO	UL94-VO

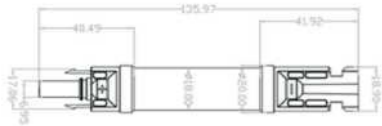
# PV-Connector

## Built-in fuse

Model : MC-F



Model : MC-F(new)



Model	MC-F	MC-F(new)
Rated voltage	1000V	1000V
Insulation material	PPO material	PPO material
Conductor material	tinned copper	tinned copper
Ambient temperature	-40°C ~ +90°C	-40°C ~ +90°C
Temperature resistance	-40°C ~ +135°C	-40°C ~ +135°C
Security Level	DCII	DCII
Waterproof level	IP68	IP68
Contact resistance	≤0.35mΩ	≤0.35mΩ
Connection	multipoint	multipoint
Self-locking system	embedded	embedded
Pull out force	≥50N	≥50N
Insertion force	≤50N	≤50N
Rated current	10A/15A/20A/30A	10A/15A/20A/30A
Flammability rating	UL94-VO	UL94-VO

## 1500V Built-in fuse

Model : MC-1515F



A type



B type



C type



D type

Model	MC-1515F (A type)	MC-1515F (B type)	MC-1515F (C type)	MC-1515F (D type)
Rated voltage	1500V	1500V	1500V	1500V
Insulation material	PPO material	PPO material	PPO material	PPO material
Conductor material	tinned copper	tinned copper	tinned copper	tinned copper
Ambient temperature	-40°C ~ +90°C	-40°C ~ +90°C	-40°C ~ +90°C	-40°C ~ +90°C
Temperature resistance	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C
Security Level	DCII	DCII	DCII	DCII
Waterproof level	IP68	IP68	IP68	IP68
Contact resistance	≤0.35mΩ	≤0.35mΩ	≤0.35mΩ	≤0.35mΩ
Connection	multipoint	multipoint	multipoint	multipoint
Self-locking system	embedded	embedded	embedded	embedded
Pull out force	≥50N	≥50N	≥50N	≥50N
Insertion force	≤50N	≤50N	≤50N	≤50N
Rated current	10A/15A/20A/30A	10A/15A/20A/30A	10A/15A/20A/30A	10A/15A/20A/30A
Flammability rating	UL94-VO	UL94-VO	UL94-VO	UL94-VO

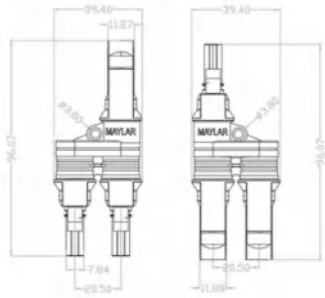




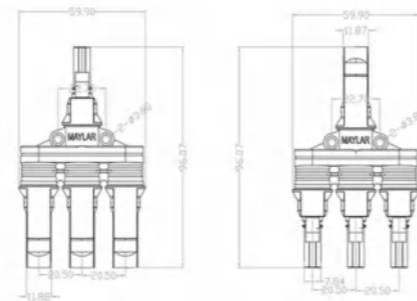
# PV-Connector

## H type branch

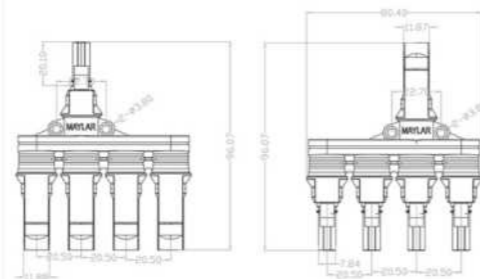
Model : MCH201



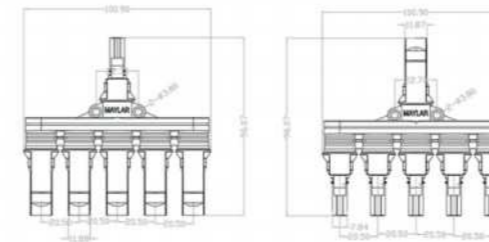
Model : MCH301



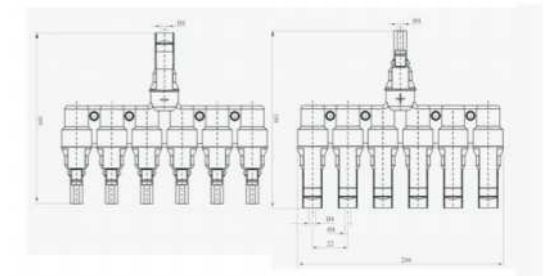
Model : MCH401



Model : MCH501



Model : MCH601

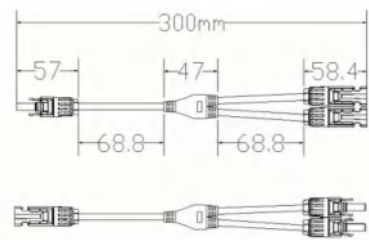


Model	MCH201	MCH301	MCH401	MCH501	MCH601
Rated voltage	1000V	1000V	1000V	1000V	1000V
Insulation material	PPO material	PPO material	PPO material	PPO material	PPO material
Conductor material	tinned copper	tinned copper	tinned copper	tinned copper	tinned copper
Ambient temperature	-40°C ~ +90°C	-40°C ~ +90°C	-40°C ~ +90°C	-40°C ~ +90°C	-40°C ~ +90°C
Temperature resistance	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C
Security Level	DCII	DCII	DCII	DCII	DCII
Waterproof level	IP68	IP68	IP68	IP68	IP68
Contact resistance	≤0.35mΩ	≤0.35mΩ	≤0.35mΩ	≤0.35mΩ	≤0.35mΩ
Connection	multi-point	multi-point	multi-point	multi-point	multi-point
Self-locking system	embedded	embedded	embedded	embedded	嵌入式
Pull out force	≥50N	≥50N	≥50N	≥50N	≥50N
Insertion force	≤50N	≤50N	≤50N	≤50N	≤50N
Rated current	50A	50A	50A	50A	50A
Flammability rating	UL94-VO	UL94-VO	UL94-VO	UL94-VO	UL94-VO

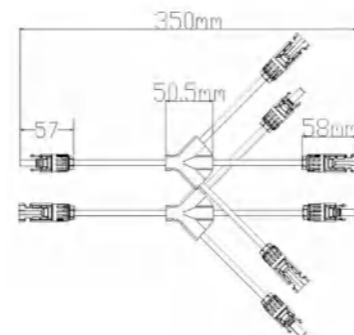
# PV-Connector

Y type branch

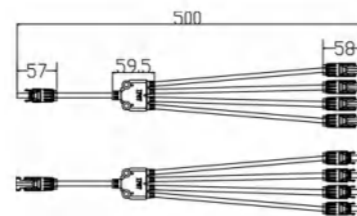
Model : MCY201



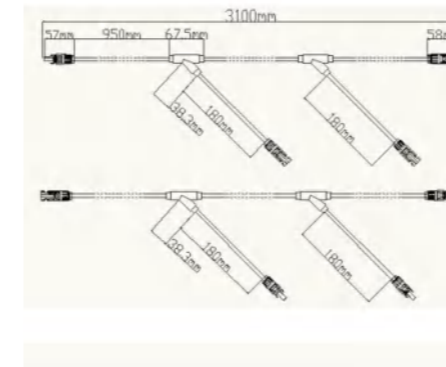
Model : MCY301



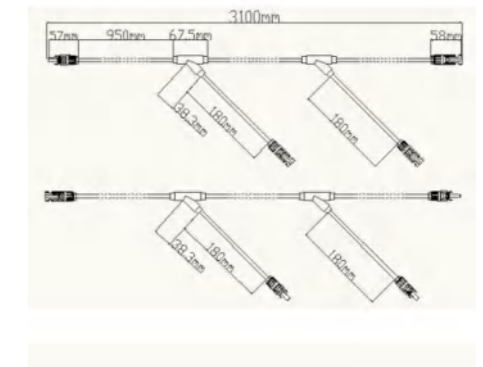
Model : MCY401



Model : MC-2Y



Model : MC-3Y

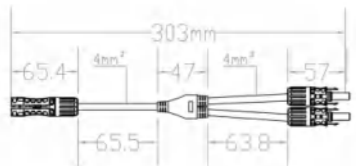
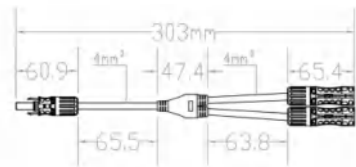


Model	MCY201	MCY301	MCY401	MC-2Y	MC-3Y
Rated voltage	1000V	1000V	1000V	1000V	1000V
Insulation material	PPO material	PPO material	PPO material	PPO material	PPO material
Conductor material	tinned copper	tinned copper	tinned copper	tinned copper	tinned copper
Ambient temperature	-40°C ~ +90°C	-40°C ~ +90°C	-40°C ~ +90°C	-40°C ~ +90°C	-40°C ~ +90°C
Temperature resistance	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C
Security Level	DCII	DCII	DCII	DCII	DCII
Waterproof level	IP68	IP68	IP68	IP68	IP68
Contact resistance	≤0.35mΩ	≤0.35mΩ	≤0.35mΩ	≤0.35mΩ	≤0.35mΩ
Connection	multipoint	multipoint	multipoint	multipoint	multipoint
Self-locking system	embedded	embedded	embedded	embedded	embedded
Wiring Specification	4mm <sup>2</sup>	4mm <sup>2</sup>	4mm <sup>2</sup> /6mm <sup>2</sup>	4mm <sup>2</sup>	2.5mm <sup>2</sup> , 4mm <sup>2</sup> , 6mm <sup>2</sup>
Termination	crimp	crimp	crimp	crimp	crimp
Rated current	30A	30A	30A	1.5mm <sup>2</sup> :17A 2.5mm <sup>2</sup> :22.5A 4mm <sup>2</sup> ~6mm <sup>2</sup> :30A	1.5mm <sup>2</sup> :17A 2.5mm <sup>2</sup> :22.5A 4mm <sup>2</sup> ~6mm <sup>2</sup> :30A
Flammability rating	UL94-VO	UL94-VO	UL94-VO	UL94-VO	UL94-VO

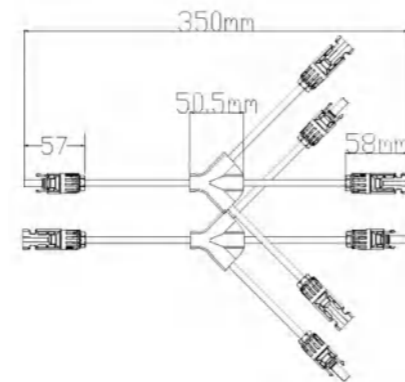
# PV-Connector

## Y type branch ( 1500V )

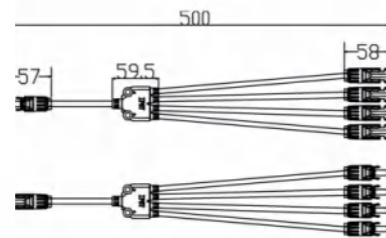
Model: 15MCY201



Model: 15MCY301

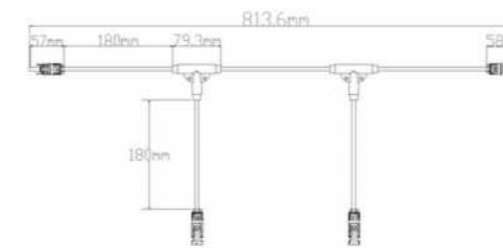


Model: 15MCY401

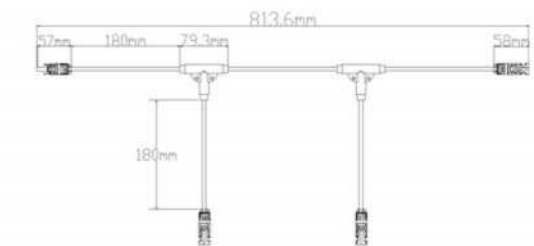


## T type branch

Model : MC-2T



Model : MC-3T



Model	15MCY201	15MCY301	15MCY401	MC-2T	MC-3T
Rated voltage	1500V	1500V	1500V	1000V	1000V
Insulation material	PPO material	PPO material	PPO material	PPO material	PPO material
Conductor material	tinned copper	tinned copper	tinned copper	tinned copper	tinned copper
Ambient temperature	-40°C ~ +90°C	-40°C ~ +90°C	-40°C ~ +90°C	-40°C ~ +90°C	-40°C ~ +90°C
Temperature resistance	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C	-40°C ~ +135°C
Security Level	DCII	DCII	DCII	DCII	DCII
Waterproof level	IP68	IP68	IP68	IP68	IP68
Contact resistance	≤0.35mΩ	≤0.35mΩ	≤0.35mΩ	≤0.35mΩ	≤0.35mΩ
Connection	multi-point	multi-point	multi-point	multi-point	multi-point
Self-locking system	embedded	embedded	embedded	embedded	embedded
Wiring Specification	4mm²	4mm²	4mm²/6mm²	4mm²	2.5mm², 4mm², 6mm²
Termination	crimp	crimp	crimp	crimp	crimp
Rated current	30A	30A	30A	1.5mm²:17A 2.5mm²:22.5A 4mm²~6mm²:30A	1.5mm²:17A 2.5mm²:22.5A 4mm²~6mm²:30A
Flammability rating	UL94-VO	UL94-VO	UL94-VO	UL94-VO	UL94-VO

# Photovoltaic Cable Assembly

## Features

Model : **MC-ADB50**

Anderson Connector to Photovoltaic Connector (PV-MC)

- Conductor material: Copper
- Length: 60cm (length can be customized)
- Wire gauge: 1107 red and black 4mm<sup>2</sup>
- Input interface: PV-MC male and female
- Output interface: Anderson male and female
- Product weight : 163g
- Product features: used in solar panel charging packs, single crystal, polycrystalline solar panel power lines, solar controller DC power conversion power connection.



## Features

Model : **MC-ADS45**

Anderson Connector to Photovoltaic Connector (PV-MC)

- Conductor material: Copper
- Length: 100cm (length can be customized)
- Wire gauge: 2468 red and black 4mm<sup>2</sup>
- Input interface: PV-MC male and female
- Output interface: Anderson male and female
- Product weight : 110g
- Product features: used in solar panel charging packs, single crystal, polycrystalline solar panel power lines, solar controller DC power conversion power connection.



## Features

Model : **MC-SAE065R**

SAE Connector to Photovoltaic Connector (PV-MC)

- Conductor material: Copper
- Length: 35cm (length can be customized)
- Wire gauge: 2468 double black 4mm<sup>2</sup>
- Input interface: SAE plug
- Output interface: PV-MC male and female
- Current : 1-30A
- Voltage : 1-36V
- Product features: used in automotive peripheral products. LED outdoor lights, solar pack charging cables, mobile power supply to car small



## Features

Model : **MC-SAE065**

SAE connector to photovoltaic connector

- Conductor material: Copper
- Length: 35cm (length can be customized)
- Wire gauge: 2468 double black 4mm<sup>2</sup>
- Input interface: SAE plug
- Output interface: PV-MC male and female
- Current : 1-30A
- Voltage: 1-36V
- Product features: used in automotive peripheral products. LED outdoor lights, solar pack charging cables, mobile power supply to car small



## Features

Model : **MC-LP20**

Aviation connector LP-20 to photovoltaic connector (PV-MC)

- Conductor material: Copper
- Length: 40cm (length can be customized)
- Wire gauge: 1015 red and black 10A WG wire (5 square copper)
- Input interface: PV-MC male and female
- Output interface: LP-20 2P (core) male
- Product weight : 110g
- Product features: used in solar panel charging package power supply, aviation connector, dual-crystal solar panel power cord, solar control DC power conversion power connection, motorcycle,



# Photovoltaic Cable Assembly

## Features

Model : **MC-DC5521**

DC5521 male (with DC35135 and DC5525) to photovoltaic connector (PV-MC)

- Conductor material: Copper
- Input interface: PC-MC male and female
- Output interface: DC5521 tuning fork male
- Wire gauge: main wire 2464 black 16AWG wire 85cm, branch wire 1015 red and black 16AWG 35cm (can be customized)
- Product weight : 103g
- Product features: Used in solar panel charging packs, solar controller DC power conversion power connections, motorcycles, and motorcycles.



## Features

Model : **MC-DC35135**

DC35135 male output cable to photovoltaic connector (PV-MC)

- Conductor material: Copper
- Input interface: PV-MC male and female
- Output interface: DC35135 tuning fork male
- Wire gauge: main wire 2464 black 22AWG wire 70cm, branch wire 2464 red and black 18AWG 30cm (can be customized)
- Product weight : 75g
- Product features: used in solar panel charging packs, solar controller DC power conversion power connections, motorcycles, motorcycles charging



## Features

Model : **MC-DC4017**

DC4017 male output cable to photovoltaic connector (PV-MC)

- Conductor material: Copper
- Input interface: PV-MC male and female
- Output interface: DC4017 tuning fork male
- Wire gauge: main wire 2464 black 22AWG wire 70cm, branch wire 2464 red and black 18AWG 30cm (can be customized)
- Product weight : 75g
- Uses: Used in solar panel charging packs, solar controller DC power conversion power connections, motorcycles, and motorcycles.

## Features

Model : **MC-DC7909**

DC7909 male output cable to photovoltaic connector (PV-MC)

- Conductor material: Copper
- Input interface: PV-MC male and female
- Output interface: DC7909 pin male
- Wire gauge: main wire 2464 black 16AWG wire 85cm, branch wire 1015 red and black 16AWG 35cm (can be customized)
- Product weight : 100g
- Product features: Used in solar panel charging packs, solar controller DC power conversion power connections, motorcycles



## Features

Model : **MC-DC045**

DC5521 male (with DC35135 and DC5525) to photovoltaic connector (PV-MC)

- Conductor material: Copper
- Input interface: PV-MC male and female
- Output interface: DC5521 tuning fork male (high current)
- Current : 12A
- Voltage : 12V
- Power : 150W
- Wire gauge: SPT2 black 16AWG wire (1.3 square copper), 150cm( customized)
- Product weight : 99g
- Product features: Used in solar panel charging packs, solar controller DC power conversion power connections, motorcycles, and motorcycles.



# PV-Connector Toolkit And PV Cable



## PV Connector Kit

### Toolkit tools

- ① Cable Cutter
- ② Spanner
- ③ Cable Stripper
  - Cutting line :  $\leq 30\text{mm}^2$
  - Stripping : 0.9-6.0 mm<sup>2</sup> Self-rebound spring, no damage to conductor core
  - Length: 165mm
  - Weight: 0.16Kg
- ④ Crimping Tool
  - Crimp range: 2.5-6mm<sup>2</sup>(AWG:26-10AWG)
  - Length: 270mm
  - Weight: 0.74Kg

# PV Cable

## Features

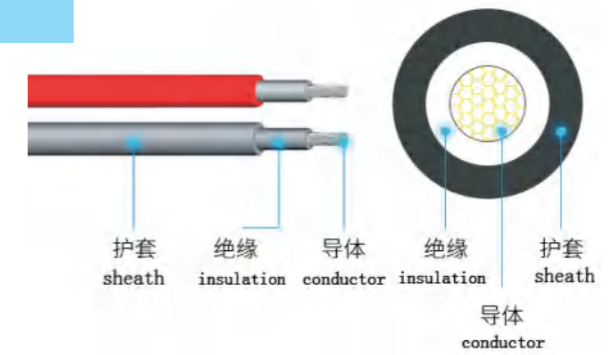
- Insulator material: Irradiation cross-linked polyolefin
- Conductor material: stranded tinned copper wire
- Sheath material: Irradiation cross-linked polyolefin
- Rated voltage : 1000V/1500V
- Strong anti-aging and UV resistance
- Certificate : TUV



### Application

This cable is specially designed to connect photovoltaic system components inside and outside buildings and equipment.

## Single core cable



Item	Unit	Technical parameter		
Rated temperature	℃	-40~+90		
Rated Rating	ac/dc(kv)	AC U <sub>0</sub> /U <sub>0</sub> .6~1.0kv, DC1.5kv		
Cable Core	No.	1		
Cross-Section Area	mm <sup>2</sup>	2.5	4.0	6.0
Diameter of wires/ Number	NO./mm	36/0.285mm	56/0.285mm	84/0.285mm
Thickness of the Insulation	mm	≥0.65	≥0.75	≥0.8
Thickness of the Sheath	mm	≥0.65	≥0.7	≥0.75
Outer Dia.	mm	5.3±0.1	5.8±0.1	6.6±0.1
Conductor resistance (20℃)	Ω/km	≤8.21	≤5.09	≤3.39
Voltage test on completed cable	kV/min	6.5/5 No breakdown		

## Dule core cable



Item	Unit	Technical parameter		
Rated temperature	℃	-40~+90		
Rated Rating	ac/dc(kv)	AC U <sub>0</sub> /U <sub>0</sub> .6~1.0kv, DC1.5kv		
Cable Core	No.	2		
Cross-Section Area	mm <sup>2</sup>	2.5	4.0	6.0
Diameter of wires/ Number	NO./mm	36/0.285mm x2	56/0.285mm x2	84/0.285m
Thickness of the Insulation	mm	≥0.65	≥0.75	m x2
Thickness of the Sheath	mm	≥0.65	≥0.7	≥0.8
Outer Dia.	mm	11.5x5.3±0.2	13.0x5.8±0.2	≥0.75
Conductor resistance (20℃)	Ω/km	≤8.21	≤5.09	15x7.0±0.2-
The service life of the theory	kV/min	6.5/5 No breakdown ≤3.39		

Remarks: The structure and outer diameter are adjusted according to the standard requirements without further notice.

# MaySun Series Micro Inverters



Maysun 1200W

## Features

- The maximum power point tracking function effectively tracks and locks the maximum output power of the solar panel.
- Four independent inputs (MPPT).
- Standard MC4 input port, simple and secure connection.
- Integrated AC output port.
- Pure sine wave output.
- Island protection function: grid failure, power failure, the inverter automatically stops output.
- Overheat protection, short circuit protection, overload protection.
- IP65 waterproof function.
- The built-in WIFI communication module can monitor the inverter operation directly on the mobile APP.
- After the inverter tracks the maximum power point of the solar panel, it automatically locks the power to stabilize the output.
- Certificate: CE/ROHS

## Project Case



Maysun 600W

## Main Data

Input Data(DC)	MaySun 1200W		MaySun 600W		MaySun 300W	
Recommend PV modules	300W×4pcs		300W×2pcs		300W×1pcs	
Maximum DC input voltage	50V					
MPPT voltage range	25-40V					
Operation voltage range	22-50V					
One way maximum input current	20A					
AC OUTPUT	MaySun 1200W		MaySun 600W		MaySun 300W	
	@120VAC	@230VAC	@120VAC	@230VAC	@120VAC	@230VAC
Peak power output	1200Watt		600Watt		300Watt	
Rated output power	1150Watt	1150Watt	600Watt	600Watt	300Watt	300Watt
Rated output current	9.58A	5A	4.8A	2.4A	3.2A	1.6A
Rated voltage range	90-160VAC	180-260VAC	90-160VAC	180-260VAC	90-160VAC	180-260VAC
Rated frequency range	50Hz/60Hz Auto					
Power factor	>98%					
Maximum units per branch	3pcs (single phase)	5pcs (single phase)	6pcs (single phase)	10pcs (single phase)	12pcs (single phase)	20pcs (single phase)
Permission Max-current per branch	30A					
Dimensions (WxHxD)	370mm×305mm×38mm		289mm×200mm×38mm		191mm x 176mm x 38mm	
Weight	2.85KG		1.5KG		0.85KG	

# Sun Series Micro Inverters



Sun-1200W



SUN-500W



SUN-250W

Strong shell is equipped with anti-radiation wires, waterproof connectors, and the inverter is filled with silica gel, with first-class waterproof performance.

High-efficiency MPPT, high conversion efficiency, automatic adaptation to grid frequency, equipped with power line carrier function, connected to ECD, not only can obtain inverter working information from ECD, but also can monitor inverter operation status via network.

## Spec

- Model : Sun-1200W Sun-500W Sun-250W
- Power : 1200W/500w/250w
- Input voltage : 22-60V
- The output voltage : 90-140V/180-260V
- AC frequency: Automatic adaptation
- Communication: Power Line Carrier
- Certificate : CE/VDE/TUV/ETL/INMETRO

ECD, data collector, is the bridge connecting the micro grid-connected inverter of SUN system and the network (or PC).

One ECD can monitor 160 IDs, i.e. 160 Sun-250W, 80 Sun-500W, 40 Sun-1200W. Built-in LCD display and control buttons, you can check the inverter operation at any time

## Spec



- Model : ECD
- Voltage : 90-140V/180-260V
- Frequency: Automatically adapt
- Communication: Power Line Carrier

## Project



## Main Data

Input Data(DC)	Sun 1200W	Sun 500W	Sun 250W
Recommend PV modules	300W×4pcs	250W×2pcs	250W×1pcs
Maximum DC input voltage	60V		
Operation voltage range	20-55V		
Maximum input current	10.4A×4	10.4A×2	10.4A
Rated output power	1200Watt	500Watt	250Watt
Rated output current	4.358A	2.2A	1.1A
Rated AC voltage range	183V~264V	183V~264V	183V~264V
Rated frequency range	50Hz/60Hz Auto		
Power factor	>99%		
Efficiency	95%		
Dimensions (WxHxD)	450 mm x 455 mm x 35 mm	230 mm x 165 mm x 30 mm	215 mm x 137 mm x 30 mm
Weight	5KG	2.5KG	2.0KG



## Indoor Mini Solar Grid Tie Inverter



### Features

- The precise MPPT function and APL function are adopted to automatically adjust the power of the solar panel to the maximum output.
- The 0-angle phase of the alternating current is isolated and amplified and then input to the MCU for high-precision detection and analysis, and the phase shift rate is less than 1%, thus realizing the high-precision in-phase modulation alternating current combined output function.
- Use SPWM to directly generate pure sine wave output.
- When the power grid is faulty or powered off, the "island protection" function takes effect, and the output is automatically stopped to ensure safety.
- It can be used in parallel with multiple machines, realizing the parallel connection of low-power inverters for high-power output.
- Certificate : CE/ROHS



### Project



Model	300W	500W	600W	1000W
Max. output	300Wp	500Wp	600Wp	1000Wp
Rated output	270W	450W	540W	900W
DC Max. voltage	V <sub>pv</sub> DC30.2VDC/50VDC			
Voltage Range	V <sub>pv</sub> 10.5V~30VDC / 22-50VDC			
Power factor	99%			
Over-current Protection	Fuse			
AC voltage range	90~140VAC/180~260VAC			
AC frequency range	55Hz~63Hz/45Hz~53Hz			
Phase difference	<1%			
Islanding protection	VAC; fAC			
Short-circuit protection	Limiting			
Display	LED			
Installs Way	wall mounted			
Cooling	Fan			
Stand-by power consumption	<2W			
Ambient temperature range	-25 °C~60°C			
Ambient humidity	Indoor Type Design			

# Wind Grid Tie Inverter



Model : WG1000W WG2000W

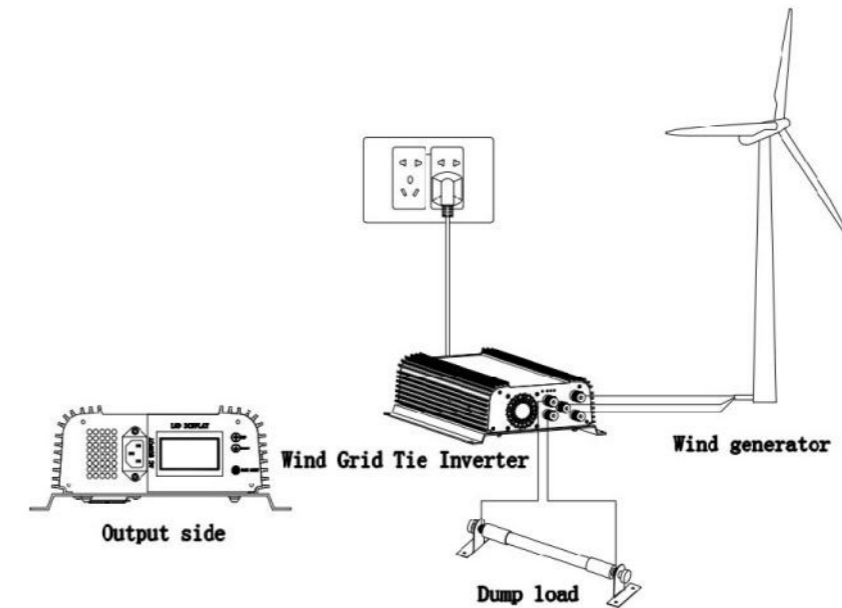


## Features

Wind series three-phase AC input wind energy grid-connected inverter.

- Inverter integration
- External unloading device
- Suitable for 24V, 48V wind turbine grid-connected inverter
- LCD display
- Simultaneous synchronous grid connection, automatic frequency identification
- WIFI communication (optional)

## Application



Wind grid-series models	WG1000W -WAL	WG2000W -WAL
Rated AC output power	1000W	2000W
DC Input Voltage Range (the test point is at the output of the rectifier)	22-60VDC	45-90VDC
Max output power factor	99%	
DC input Reverse voltage protection	Fuse	
AC output voltage range	Auto recognition	
AC frequency range	46Hz~65Hz	
Output short circuit protection	Yes	
Output short circuit protection	Current-limiting	
Display	LED or LCD	
Cooling	Colling	
Night Power	<1W	
Ambient temperature range	-10 ℃~45℃	
Waterproof	Indoor Type Design	
Dump load resistors parameter	$R=V^2/P=54^2/600 = 4.9$ (ohm)	

# Packaging and shipping

-----Workshop Product Packaging

Large Stock, Fast Delivery



-----Warehouse Outgoing Packaging



Guaranteed Quality  
Worthy of Your Trust  
Long-term Stock