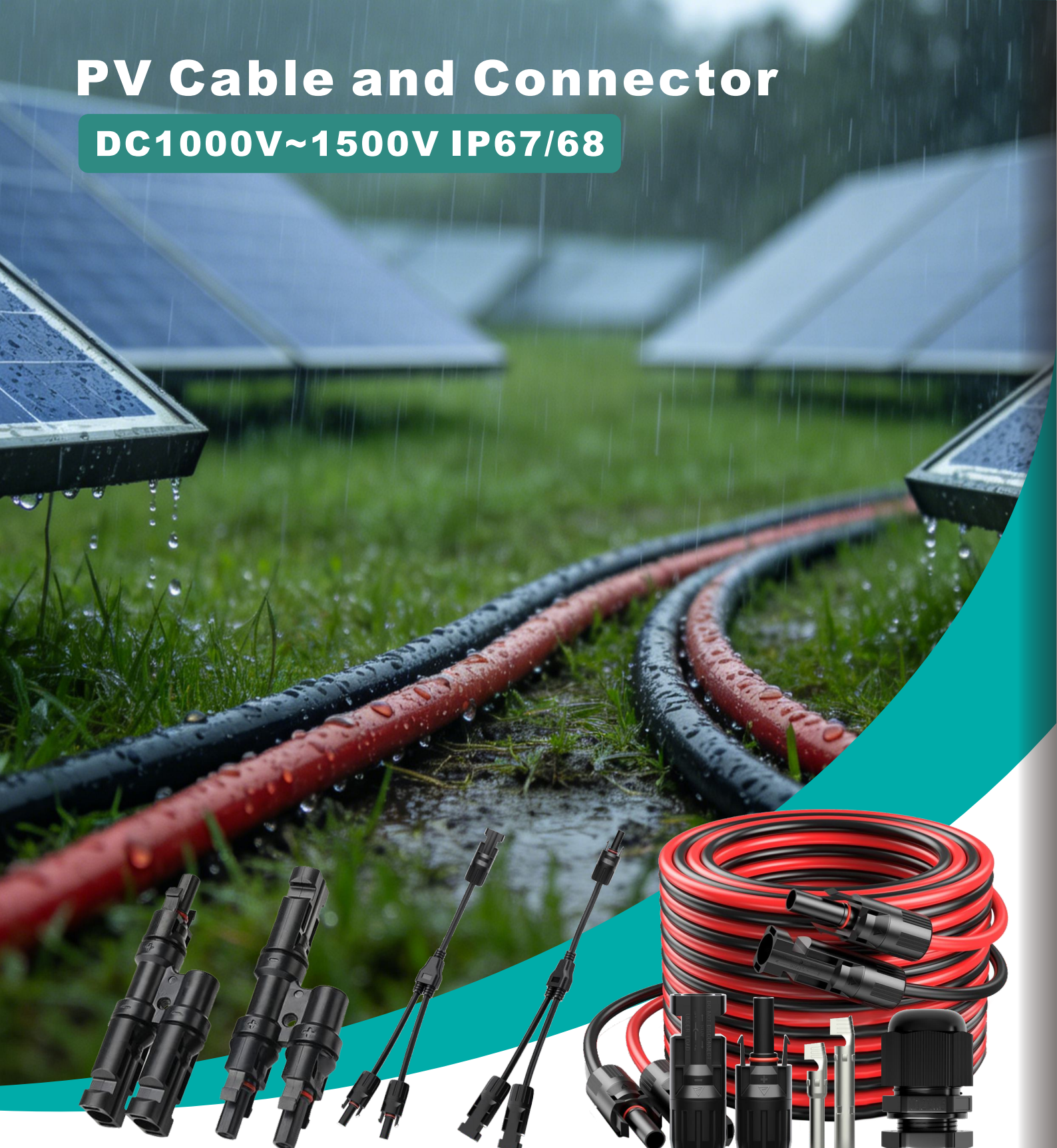


PV Cable and Connector

DC1000V~1500V IP67/68



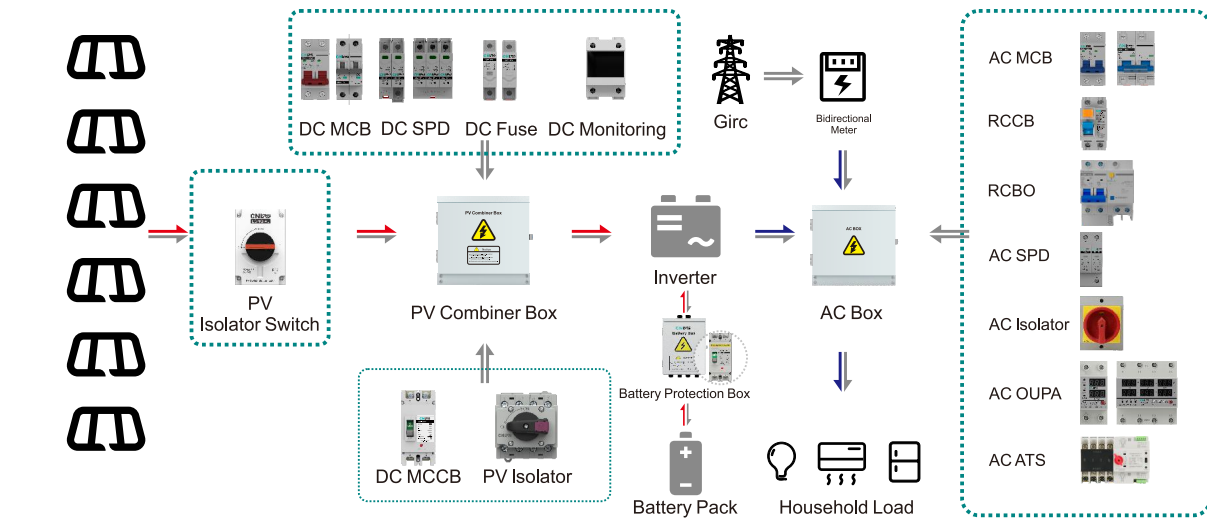
-  Reusable And Removable.
Tightly Connected.
Secure And Won'T Come Loose.
-  High current
carrying capacity
-  Corrosion
resistance
-  The locking mechanism
provides secure engagement

Company Profile

Wenzhou Longqi New Energy Co., Ltd. (Brand: **CNLONGQ**)

Founded In 2010 And Headquartered In Yueqing, Wenzhou—China'S Electrical Capital—Wenzhou Longqi New Energy Co., Ltd. Is A Leading Innovator In Photovoltaic System Components And Electrical Protection Equipment. We Specialize In Designing, Manufacturing, And Globally Distributing High-Performance Products Essential For Efficient, Safe Solar Power Generation Systems.

The Company'S Main Factory Covers **10,000m²** With An Additional **2,500m²** Of Warehouse Space. We Support Oem/Odm And Custom Junction Box Solutions, Holding Over **100 Project Certifications And Patents With A Team Of More Than 50 Technical Personnel**. Driven By Innovation And Stringent Quality Control, We Welcome Your Partnership In Building A Cleaner Energy Future Together.



Contents

Cable	01
PV Connector	03
Fuse Connector	11
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Splitter Connector	17
PV Wrench	21

PV1-F

TÜV Rheinland CE RoHS IP68

CN LONGQ.com

Cable

1x1.5mm²~35mm²



Oxygen-Free
Copper Core



Antioxidant



Flame-Retardant
Material



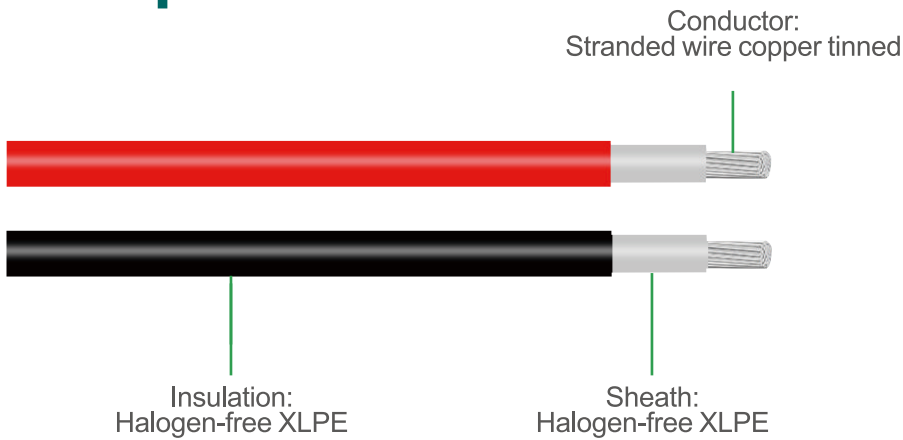
High-Temperature
Resistant

Technical data	
Nominal voltage	DC:1.5kV,AC:0.6/1.0kV
Voltage test on completed cable	DC:15kV,AC:6.5kv.5min
Ambient temperature	-40°C~+90°C
Service life	>25year(-40°C~+90°C)
Refer to short circuit allows the temperature	250°C,5s
Insulation/sheath elongation rate before aging:125%↑	EN 50618:2014
Tensile strength of insulation /sheath before aging: 8.0 Mpa	
Insulation/sheath elongation after aging	EN 50618:2014
Insulation /sheath tensile strength after aging	
Sleeve heat contraction: 2%	EN 50618:2014
Fastness to weather	EN 50618:2014
Fire retardant test	IEC62930(ed.1)

The current-carrying capacity is under the situation of laying the single cable in air

Construction	Conductor Construction	Cable Outer	Resistance Max.	Current Carrying Capacity AT 60°C
mm ²	nxmm	mm	Ω/Km	A
1x1.5	30x0.25	5	13.7	30
1x2.5	49x0.25	5.3	8.21	41
1x4.0	56x0.28	5.8	5.09	55
1x6.0	84x0.28	6.2	3.39	70
1x10	154x0.28	7.5	1.95	98
1x16	238x0.28	9.2	1.24	132
1x25	364x0.28	11.3	0.795	176
1x35	511x0.28	13.2	0.565	218

Detailed Description



PVCNT

CE RoHS IP67

PV Connector

DC 1000V 30/45/50A



IP67 Ultra-Strong
Waterproofing



High current
carrying capacity

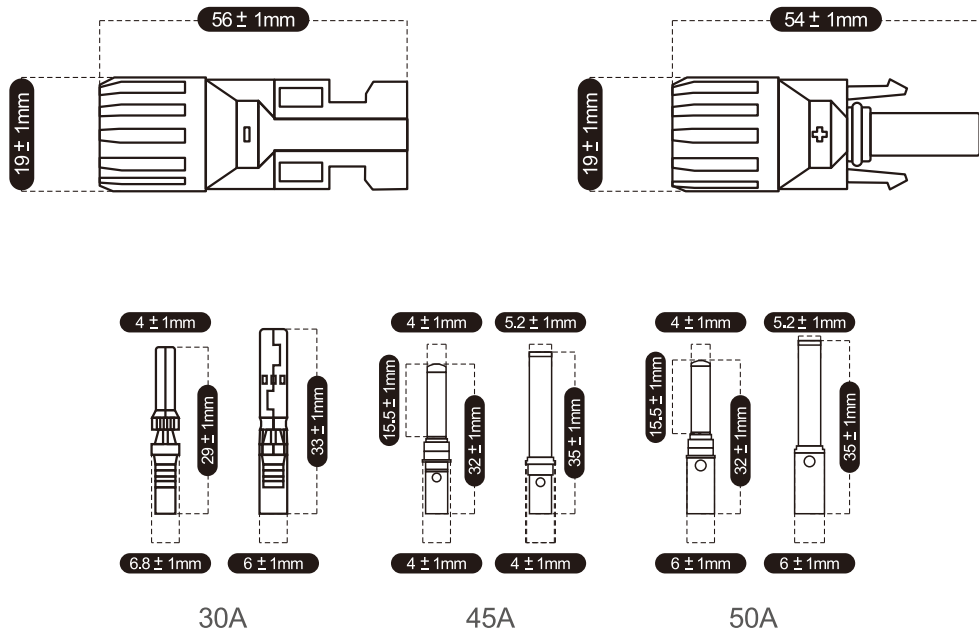


Anti-aging Anti-UV



Plug And Play
Tight Connection

Product Dimension Drawing (mm)



Technical data	
Connector System	Φ2.5mm; Φ4mm; Φ6mm;
Rated Voltage (V)	1000V DC
Rated Current (A)	30A(2.5mm²;4mm²; 6mm²; 14AWG; 12AWG; 10AWG) 45A/50A(4mm²; 6mm²; 12AWG; 10AWG)
Test Voltage	6kV(50Hz.1min.)
Ambient Temperture Range	-40°C..+90°C(IEC)-40°C ..+75°C(UL)
Upper limiting Temperture	+105°C(IEC)
Degree Of Protection,Mated	IP67
Unmated	IP2X
Comtact Resistance Of Plug Connectors	0.5mΩ
Safety Class	II
Contact Material	Brass, copper alloy, tin-plated
Insulation Material	PC/PPO
Locking System	Snap-in
Flame Class	UL-94-V0
Salt mist spray test,Degree of Severity 5	IEC60068-2-52

PVCNT

CE RoHS IP67

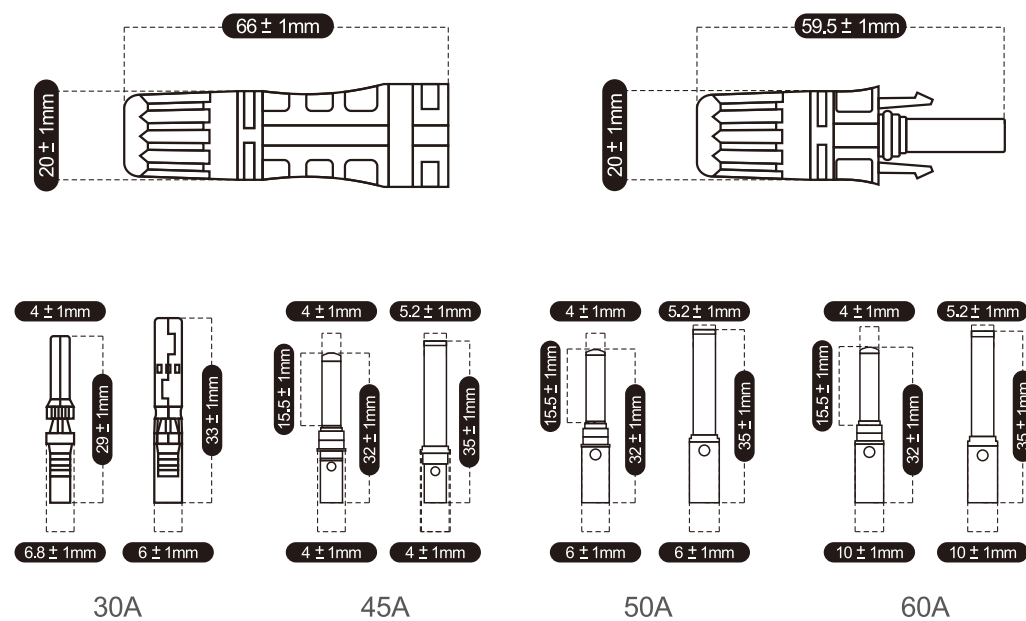
PV Connector

DC 1500V 30/45/50/60A



- IP67 Ultra-Strong Waterproofing
- High current carrying capacity
- Anti-aging Anti-UV
- Plug And Play Tight Connection

Product Dimension Drawing (mm)



Technical data	
Connector System	Φ2.5mm; Φ4mm; Φ6mm; Φ10mm
Rated Voltage (V)	1500V DC
Rated Current (A)	30A(2.5mm²;4mm²; 6mm²; 14AWG; 12AWG; 10AWG) 45A/50A(4mm²; 6mm²; 12AWG; 10AWG); 60A(10mm²; 7AWG)
Test Voltage	6kV(50Hz.1min.)
Ambient Tempreture Range	-40°C..+90°C(EC)-40°C ..+75°C(UL)
Upper limiting Tempreture	+105°C(IEC)
Degree Of Protection,Mated	IP67
Unmated	IP2X
Comtact Resistance Of Plug Connectors	0.5mΩ
Safety Class	II
Contact Material	Brass, copper alloy, tin-plated
Insulation Material	PC/PPO
Locking System	Snap-in
Flame Class	UL-94-V0
Salt mist spray test,Degree of Severity 5	IEC60068-2-52

PVCNT-BD

CE RoHS IP67

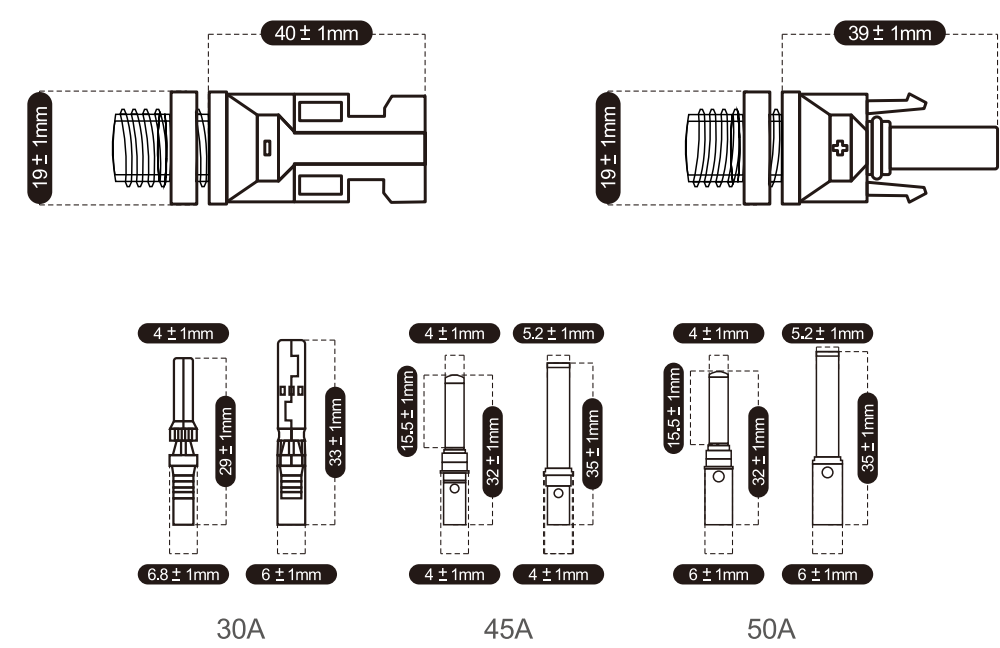
End-of-Board Connector

DC 1000V 30/45/50A



-  IP67 Ultra-Strong Waterproofing
-  High current carrying capacity
-  Anti-aging Anti-UV
-  Plug And Play Tight Connection

Product Dimension Drawing (mm)



Technical data	
Connector System	Φ2.5mm; Φ4mm; Φ6mm;
Rated Voltage (V)	1000V DC
Rated Current (A)	30A(2.5mm ² ;4mm ² ; 6mm ² ; 14AWG; 12AWG; 10AWG) 45A/50A(4mm ² ; 6mm ² ; 12AWG; 10AWG)
Test Voltage	6kV(50Hz. 1min.)
Ambient Temperture Range	-40°C..+90°C(EC)-40°C ..+75°C(UL)
Upper limiting Temperture	+105°C(IEC)
Degree Of Protection,Mated	IP67
Unmated	IP2X
Contact Resistance Of Plug Connectors	0.5mΩ
Safety Class	II
Contact Material	Brass, copper alloy, tin-plated
Insulation Material	PC/PPO
Locking System	Snap-in
Flame Class	UL-94-V0
Salt mist spray test,Degree of Severity 5	IEC60068-2-52

PVCNT-BD

CE RoHS IP67

End-of-Board Connector

DC 1500V 30/45/50/60A



IP67 Ultra-Strong
Waterproofing



High current
carrying capacity

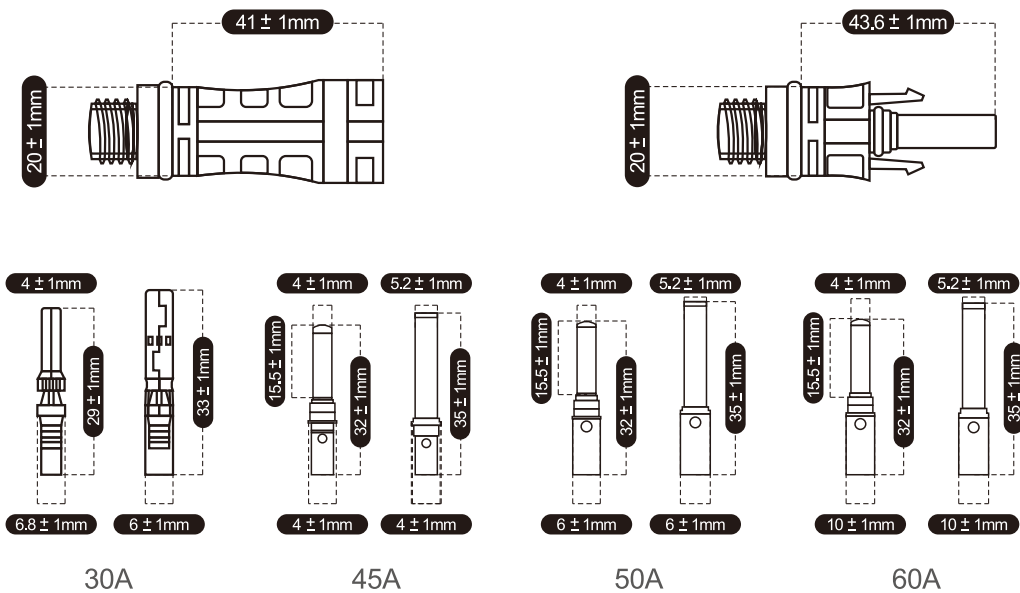


Anti-aging Anti-UV



Plug And Play
Tight Connection

Product Dimension Drawing (mm)



Technical data	
Connector System	Φ2.5mm; Φ4mm; Φ6mm; Φ10mm
Rated Voltage (V)	1500V DC
Rated Current (A)	30A(2.5mm ² ;4mm ² ; 6mm ² ; 14AWG; 12AWG; 10AWG) 45A/50A(4mm ² ; 6mm ² ; 12AWG; 10AWG); 60A(10mm ² ; 7AWG)
Test Voltage	6kV(50Hz. 1min.)
Ambient Temperture Range	-40°C..+90°C(EC)-40°C ..+75°C(UL)
Upper limiting Temperture	+105°C(IEC)
Degree Of Protection,Mated	IP67
Unmated	IP2X
Comtact Resistance Of Plug Connectors	0.5mΩ
Safety Class	II
Contact Material	Brass, copper alloy, tin-plated
Insulation Material	PC/PPO
Locking System	Snap-in
Flame Class	UL-94-V0
Salt mist spray test,Degree of Severity 5	IEC60068-2-52

PVCNT-Fuse

CE RoHS IP67

PV Fuse Connector Inline

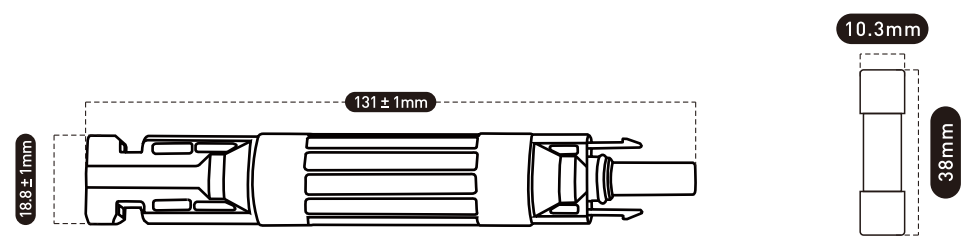
DC 1000V 1~32A



- Overload Protection
- Short-Circuit Protection
- Reusable
- Plug And Play Tight Connection



Product Dimension Drawing (mm)



Technical data	
Connector System	MC4 Plug and Play
Rated Voltage (V)	1000V DC
Rated Current(A)	1,2,3,4,5,6,8,10,12,15,16,20,25,30,32
Test Voltage	6kV(50Hz.1min.)
Ambient Temperature Range	-40°C..+90°C(IEC) -40°C ..+75°C(UL)
Upper limiting Temper Ature	+105°C (IEC)
Degree Of Protection,Mated	IP67
Unmated	IP2X
Contact Resistance Of Plug connectors	0.5mΩ
Safetyclass	II
Contact Material	Brass, copper alloy, tin-plated
Insulation Material	PC/PPO
Locking System	Snap-in
Flame Class	UL-94-V0
Salt mist spray test,degree of severity 5	IEC60068-2-52

PVCNT-Fuse

CE RoHS IP67

PV Fuse Connector Inline

DC 1500V 1~35A



Overload
Protection



Short-Circuit
Protection

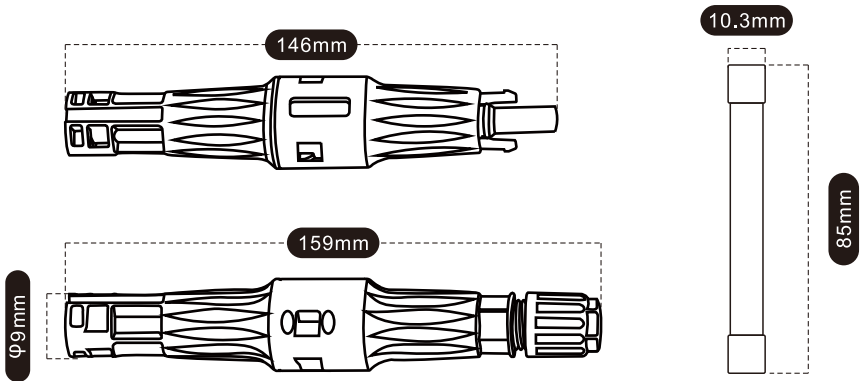


Reusable



Plug And Play
Tight Connection

Product Dimension Drawing (mm)



Technical data	
Connector System	MC4 Plug and Play
Rated Voltage (V)	1500V DC
Rated Current(A)	1,2,3,4,5,6,8,10,12,15,16,20,25,30,32,35
Test Voltage	6kV(50Hz.1min.)
Ambient Temperature Range	-40°C..+90°C(IEC) -40°C ..+75°C(UL)
Upper limiting Temper Ature	+105°C (IEC)
Degree Of Protection,Mated	IP67
Unmated	IP2X
Contact Resistance Of Plug connectors	0.5mΩ
Safetyclass	II
Contact Material	Brass, copper alloy, tin-plated
Insulation Material	PC/PPO
Locking System	Snap-in
Flame Class	UL-94-V0
Salt mist spray test,degree of severity 5	IEC60068-2-52

PVCNT-Diode 1000V

CE RoHS IP67

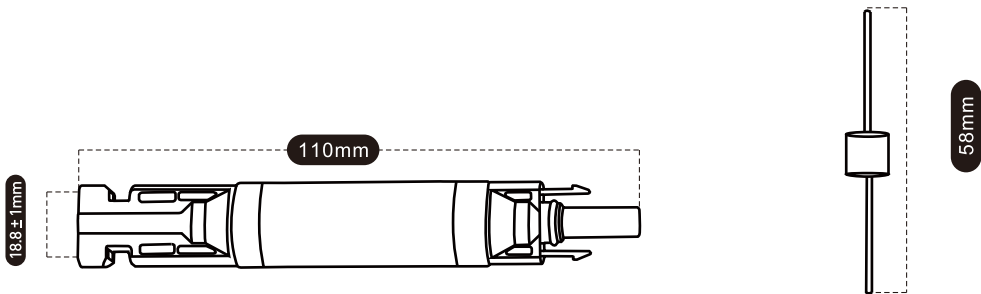
PV Anti-reverse Diode Connector

DC 1000V 10/15/20/30A



-  Forward Conduction Reverse Cutoff
-  High current carrying capacity
-  Reusable
-  Plug And Play Tight Connection

Product Dimension Drawing (mm)



Technical data	
Connector System	MC4 Plug and Play
Rated Voltage (V)	1000V DC
Rated Current(A)	10A,15A,20A 30A
Test Voltage	6kV(50Hz.1min.)
Ambient Temperature Range	-40°C..+90°C(IEC) -40°C ..+75°C(UL)
Upper limiting Temper Ature	+105°C (IEC)
Degree Of Protection,Mated	IP67
Unmated	IP2X
Contact Resistance Of Plug connectors	0.5mΩ
Safetyclass	II
Contact Material	Brass, copper alloy, tin-plated
Insulation Material	PC/PPO
Locking System	Snap-in
Flame Class	UL-94-V0
Salt mist spray test,degree of severity 5	IEC60068-2-52

PVCNT-Y Series

CE RoHS IP67

Splitter Connector

DC 1000V



- 

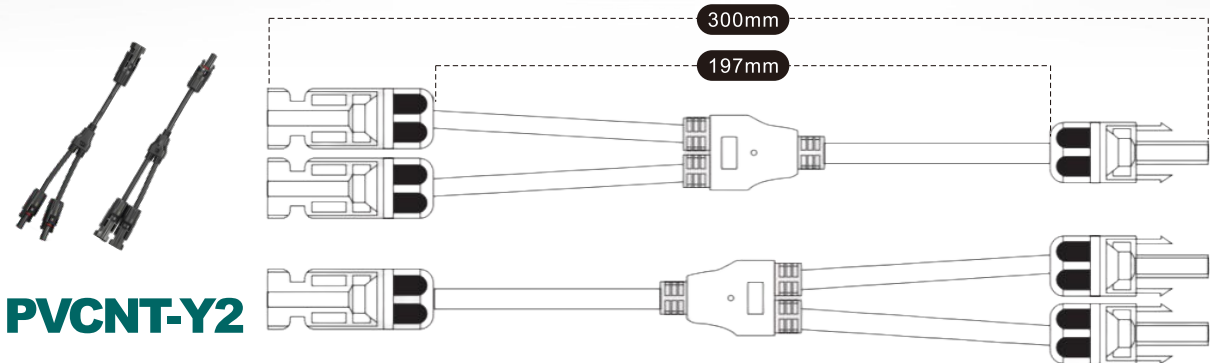
Reusable And Removable.
Tightly Connected.
Secure And Won'T Come Loose.
- 

High current
carrying capacity
- 

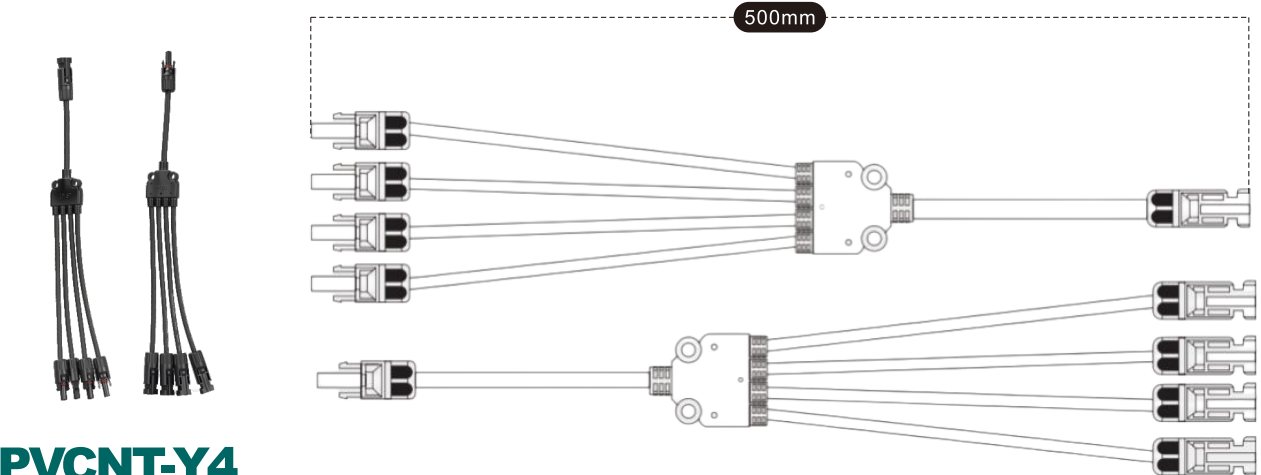
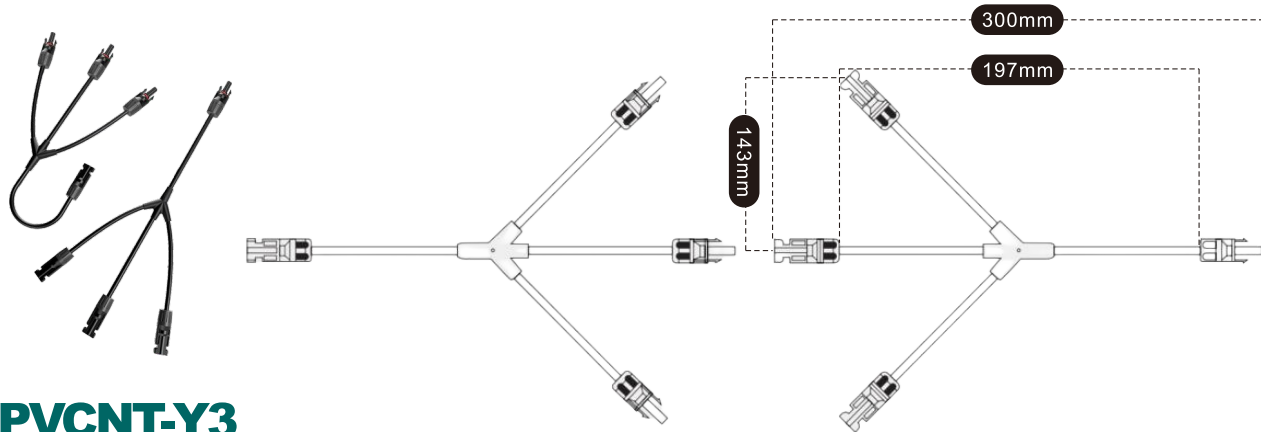
Corrosion
resistance
- 

The locking mechanism
provides secure engagement

Product Dimension Drawing (mm)



CN LONGQ.com



Technical data	
Cable color	red / black + red / black
Connector System	MC4 Plug and Play
Rated Voltage (V)	1000V DC
Rated current(A)	30A
Test Voltage	6kV(50HZ.1min.)
Ambient Temperature Range	-40°C..+90°C(IEC)-40°C ..+75°C(UL)
Upper limiting Temper Ature	+105°C (IEC)
Degree Of Protection,Mated	IP67
Unmated	IP2X
Comtact Resistance of Plug connectors	0.5mΩ
Safetyclass	II
Contact Material	Brass, copper alloy, tin-plated
Insulation Materia	PC or PPO
Locking System	Snap-in
Flame Class	UL-94-V0
Salt mist spray test,degree of severity 5	IEC60068-2-52

PVCNT-T Series

Splitter Connector

DC 1500V

CE RoHS IP67



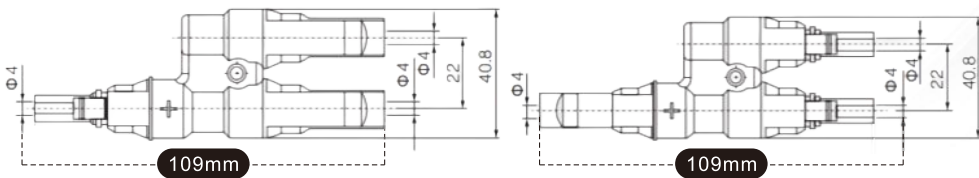
Reusable And Removable.
Tightly Connected,
Secure And Won'T Come Loose.

High current
carrying capacity

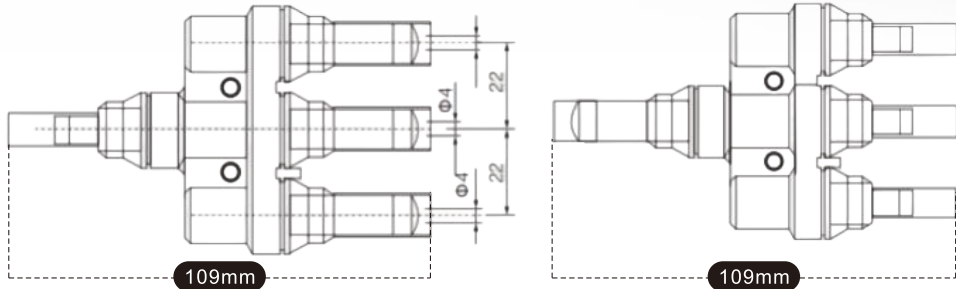
Corrosion
resistance

The locking mechanism
provides secure engagement

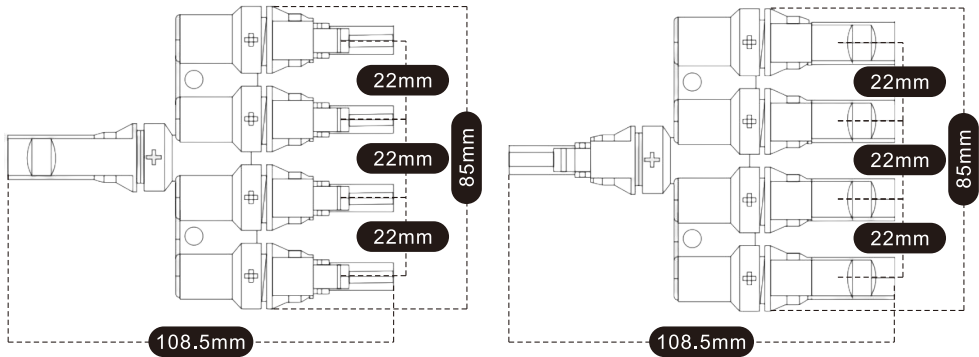
Product Dimension Drawing (mm)



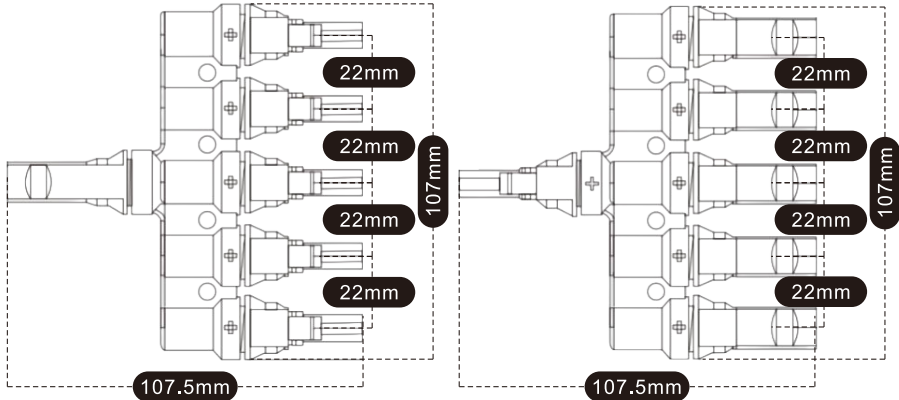
PVCNT-T2



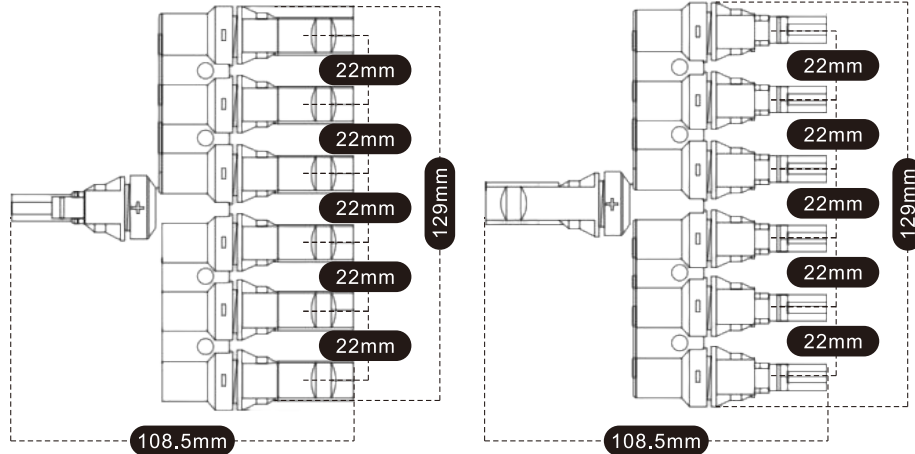
PVCNT-T3



PVCNT-T4



PVCNT-T5



PVCNT-T6

Technical data	
Insulation Material	PPO
Contact Material	Brass, copper alloy, tin-plated
Suitable current	50A
Rated Voltage	1500V DC
Test Voltage	6KV(TUV50HZ,1min)
Contact Resistance	<0.5mΩ
Degree Of Protection	IP67
Ambient Temperature Range	-40°C~+85°C
Flame Class	UL94-V0
Safety Class	II
Pin Dimensions	Φ4mm

PVCNT

CE RoHS IP67

CN**LONG**
com

Specialized Wrench

PV 1000V

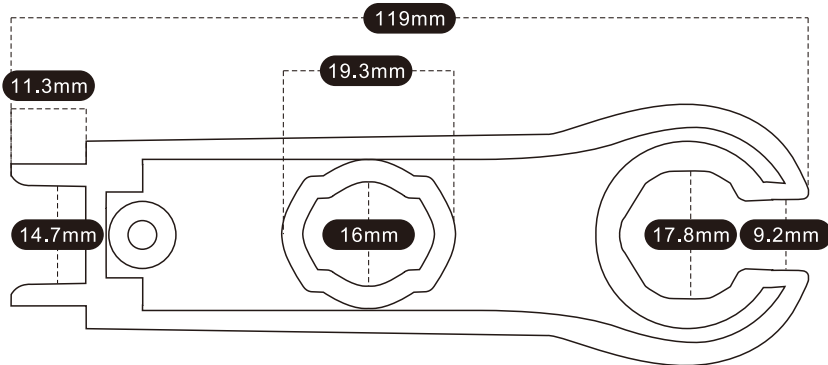
PV 1500V

PV Multifunction

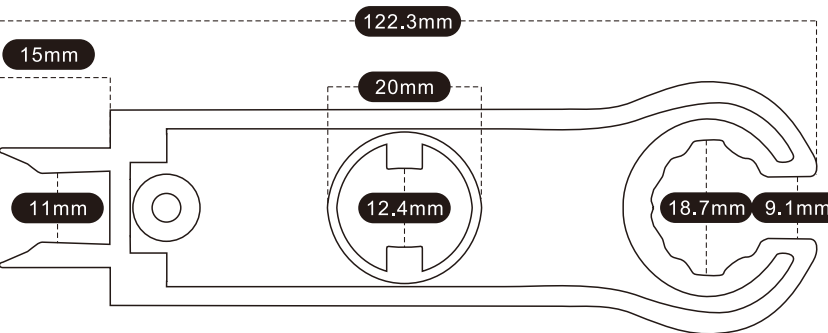
Product Dimension Drawing (mm)



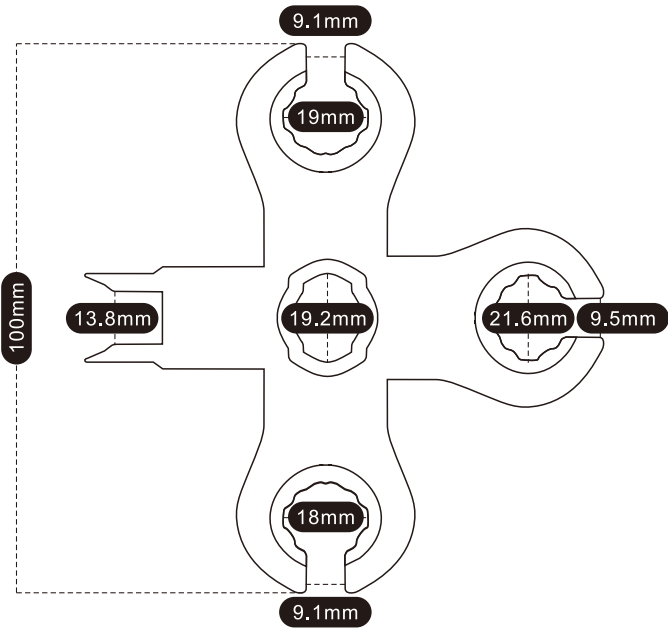
PV 1000V



PV 1500V



PV Multifunction



PC Material



Corrosion
resistance



Specialized
wrench tools



Thickened
And Wear-resistant