



Connectors
Wire Assembly
Solutions
ODM/OEM

Introduction To Solar Products

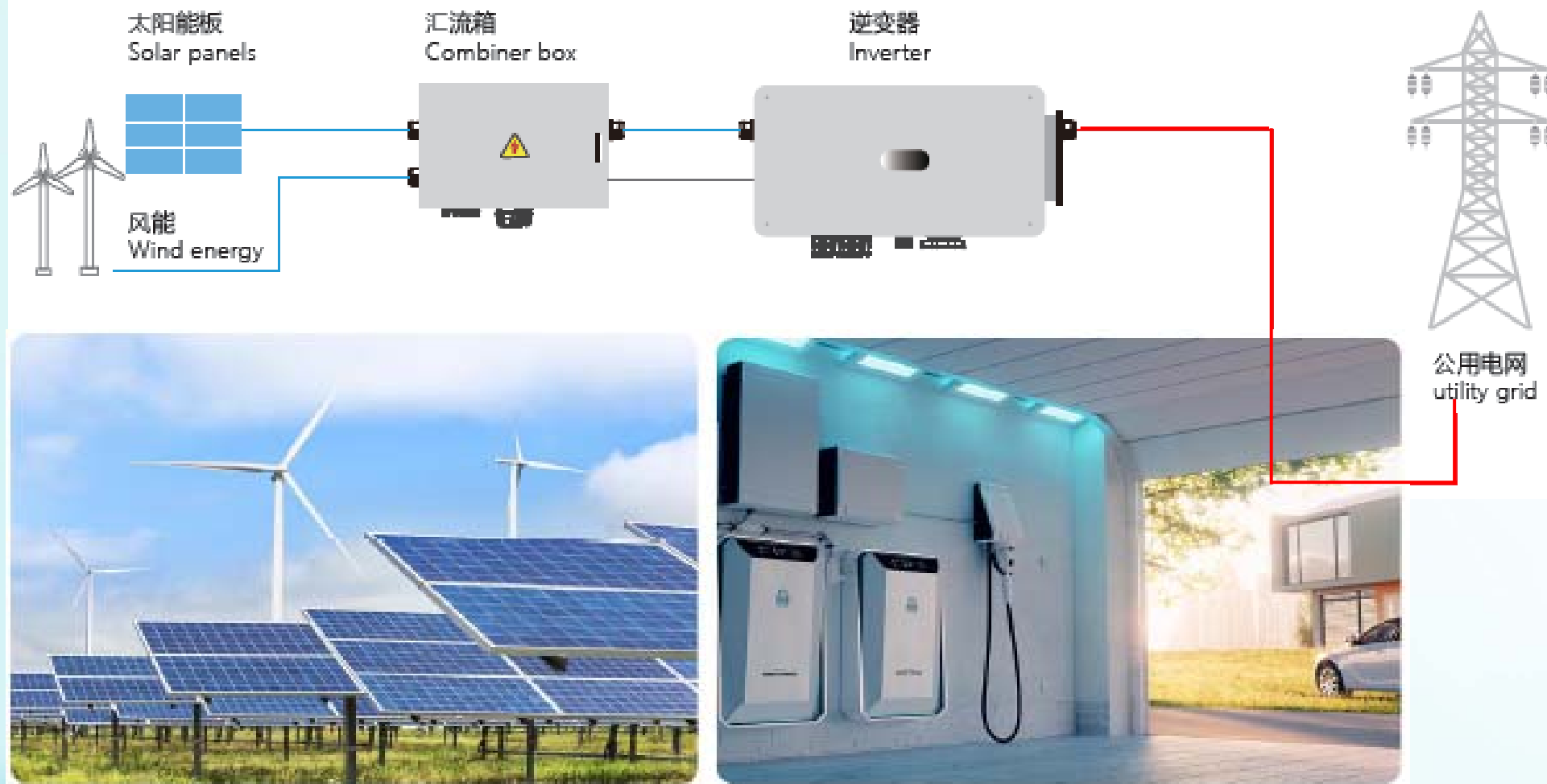


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Product Application Introduction



Mainly used in the fields of solar and wind powergeneration: Solar modules, wind turbines and junction boxes, combiner boxes, inverters, distribution Connection of cabinets and energy storage systems.



PV4.0 Solar Connector---1500V DC



Product Photos:

Cable type



Panel type



Product Technical Parameters

Current rating	20A(2.5mm ²), 30A(4mm ²), 40A(6mm ²)
Rated voltage	1500V DC
Contact resistance	0.5mΩ MAX
Applicable cables	2.5/4.0/6.0mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Terminal type	Crimping type
Unlock type	Manual disassembly
Insulation material	PPO/PA

Part No:

Series:	DS1162-01	-	A	X	6	B	X	1
Connector type:	A:Female+Male							
Mounting:	C:Cable type, V:Panel type							
Plating:	6: Sn plated							
Housing color:	B: Black							
Packing type:	1:1Set/Bag, Q:100Set/Bag							
Rated voltage:	1:1500V							



PV4.0 Solar Connector---1500V DC Tool disassembly



Product Photos:



Product Technical Parameters

Current rating	20A(2.5mm ²), 30A(4mm ²), 40A(6mm ²), 60A(10mm ²)
Rated voltage	1500V DC
Contact resistance	0.5mΩ MAX
Applicable cables	2.5/4/6/10mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Terminal type	Crimping type
Unlock type	Tool disassembly
Insulation material	PC/PA

Part No:

Series:	DS1162-21	-	A	X	6	B	X	1
Connector type:	A:Female+Male							
Mounting:	C:Cable type, V:Panel type							
Plating:	6: Sn plated							
Housing color:	B: Black							
Packing type:	1:1Set/Bag, Q:100Set/Bag							
Rated voltage	1:1500V							



PV4.0 Solar Connector---1000V DC

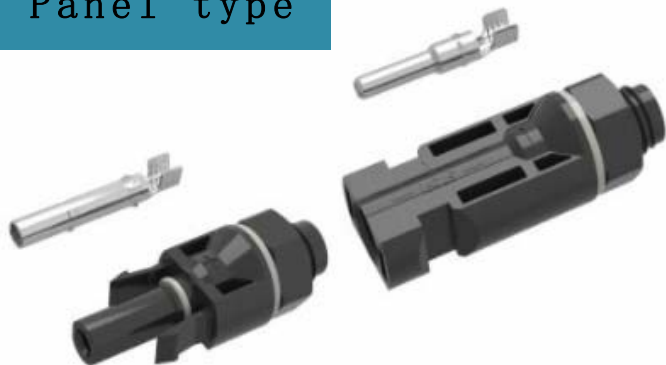


Product Photos:

Cable type



Panel type



Product Technical Parameters

Current rating	20A(2.5mm ²), 30A(4mm ²), 40A(6mm ²)
Rated voltage	1000V DC
Contact resistance	0.5mΩ MAX
Applicable cables	2.5/4.0/6.0mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Terminal type	Crimping type
Unlock type	Manual disassembly
Insulation material	PC/PA

Part No:

Series: DS1162-01 - A X 6 B X 1

Connector type: A:Female+Male

Mounting: C:Cable type, V:Panel type

Plating: 6: Sn plated

Housing color: B: Black

Packing type: 1:1Set/Bag, Q:100Set/Bag

Rated voltage: 1:1000V



PV4.0 solar connector dust cap



Product Photos:



Technical Parameters

Operation temperature	-40°C~+85°C
Degree of protection	IP67
Flame class	UL94V-0

Part No:

Series:	B-DS1162-01	-	X	X	0	0	0
	-						
Connector type:	S:Female, P:Male						
Color:	L:Blue, B:Black						
Expansion code:	0						
Expansion code:	0						
Packing type:	0: Bag						



Solar AC Connector



Product Photos:



Part No:

Series: DS1162-03 - 3 F C 6 B X

No.of contacts: 3:3PIN, 4:4PIN, 5:5PIN

Connector type: F:Female, M:Male

Mounting: C: Cable type, V:Panel type

Plating: 6: Sn plated , Y:Silver plated

Housing color: B:Black

Applicable cables: 4:4mm², 6:6mm², 10mm²

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Product Technical Parameters

Current rating	50A
Rated voltage	500V AC
Contact resistance	0.25mΩ MAX
Operation temperature	-40℃~+85℃
Degree of protection	IP68
Flame class	UL94V-0
Insulation material	PPE
Terminal material	Copper/Silvered



PV4.0 Solar Branch Connector---1T2



Product Photos:

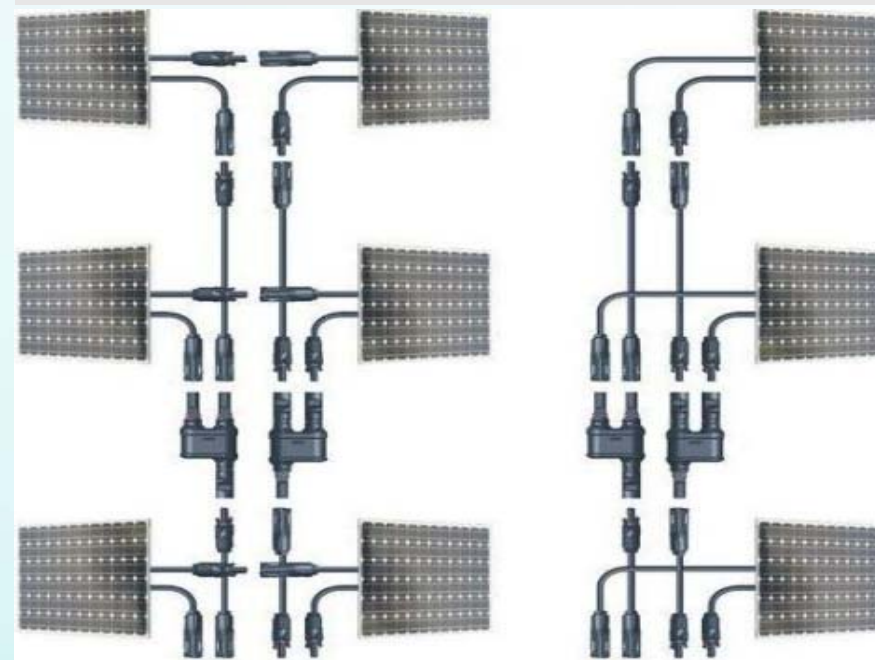


Part No:

Series:	DS1162-14	-	1T2	A	B	6	P
No.of contacts:	1T2: 1F2M+1M2F						
Connector type:	A:Adaptor						
Housing color:	B: Black						
Plating:	6: Sn plated						
Packing type:	P:1Set/Bag						

Product Technical Parameters

Current rating	50A
Rated voltage	1500V DC
Contact resistance	0.5mΩ MAX
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA



PV4.0 Solar Branch Connector---1T3



Product Photos:

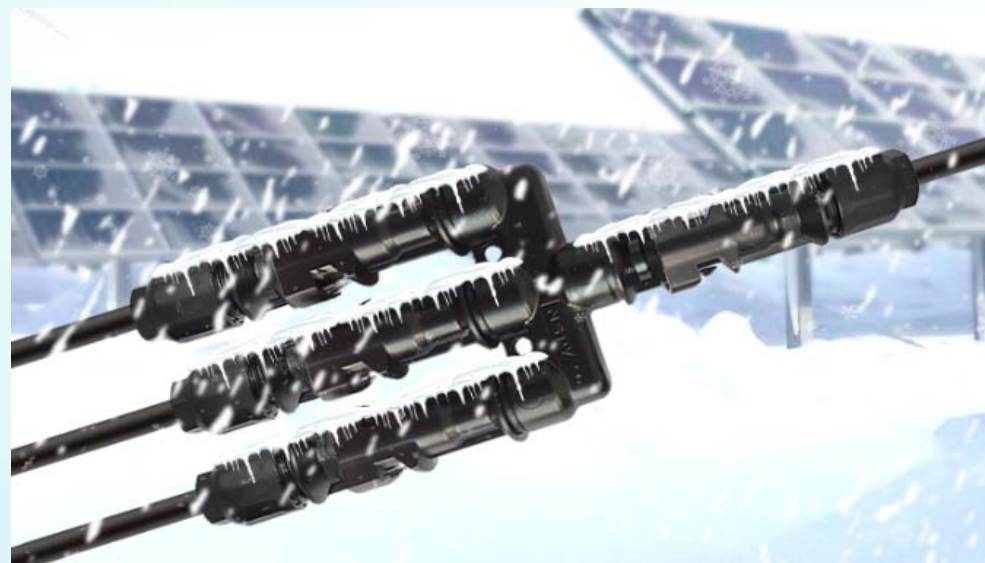


Part No:

Series:	DS1162-14	-	1T3	A	B	6	P
No.of contacts:	1T3:1F3M+1M3F						
Connector type:	A:Adaptor						
Housing color:	B: Black						
Plating:	6: Sn plated						
Packing type:	P:1Set/Bag						

Product Technical Parameters

Current rating	50A
Rated voltage	1500V DC
Contact resistance	0.5mΩ MAX
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA



PV4.0 Solar Branch Connector---1T4



Product Photos:

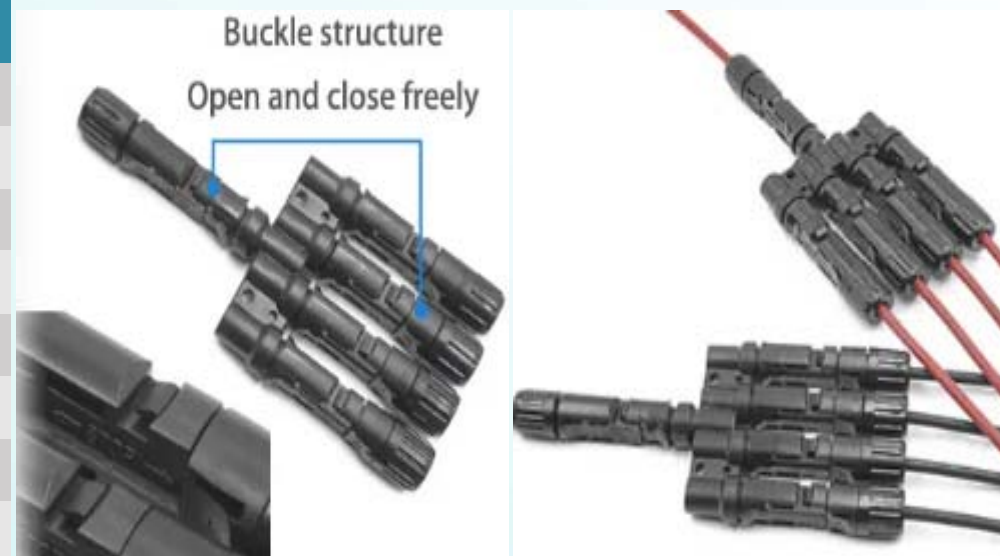


Part No:

Series:	DS1162-14	-	1T4	A	B	6	P
No.of contacts:	1T4: 1F4M+1M4F						
Connector type:	A:Adaptor						
Housing color:	B: Black						
Plating:	6: Sn plated						
Packing type:	P:1Set/Bag						

Product Technical Parameters

Current rating	50A
Rated voltage	1500V DC
Contact resistance	0.5mΩ MAX
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA



PV4.0 Solar Branch Connector---1T5



Product Photos:

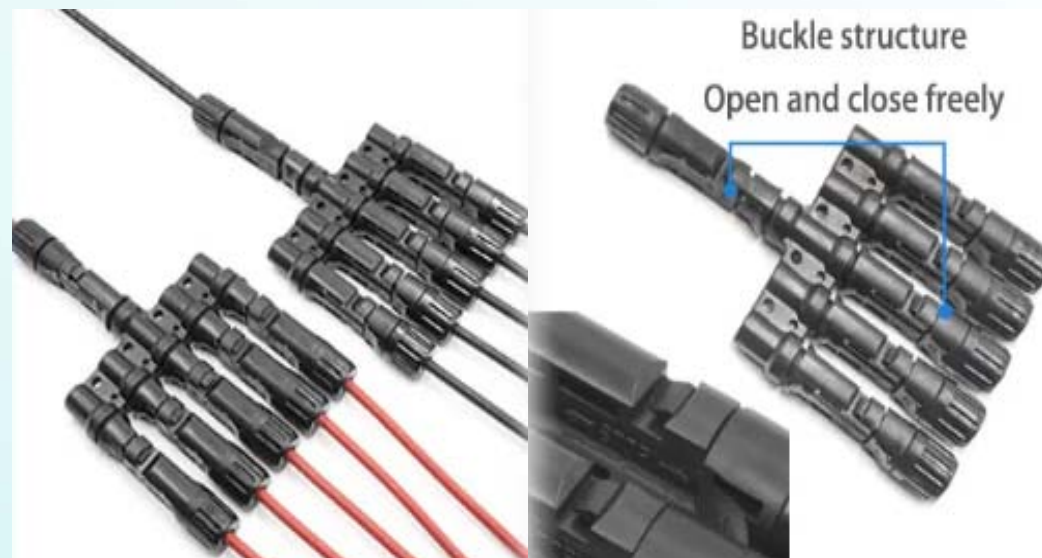


Product Technical Parameters

Current rating	50A
Rated voltage	1500V DC
Contact resistance	0.5mΩ MAX
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA

Part No:

Series:	DS1162-14	-	1T5	A	B	6	P
No.of contacts:	1T5: 1F5M+1M5F						
Connector type:	A:Adaptor						
Housing color:	B: Black						
Plating:	6: Sn plated						
Packing type:	P:1Set/Bag						



PV4.0 Solar Branch Connector---1T6



Product Photos:



Product Technical Parameters

Current rating	50A
Rated voltage	1500V DC
Contact resistance	0.5mΩ MAX
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA

Part No:

Series:	DS1162-14	-	1T6	A	B	6	P
No.of contacts:	1T6: 1F6M+1M6F						
Connector type A:	Adaptor						
Housing color:	B: Black						
Plating:	6: Sn plated						
Packing type:	P:1Set/Bag						



PV4.0 Solar Branch Harness---1T2 (Type 1)



Product Photos:



We can provide customized services based on customer needs, including wire length, wire diameter, color, connector type, etc

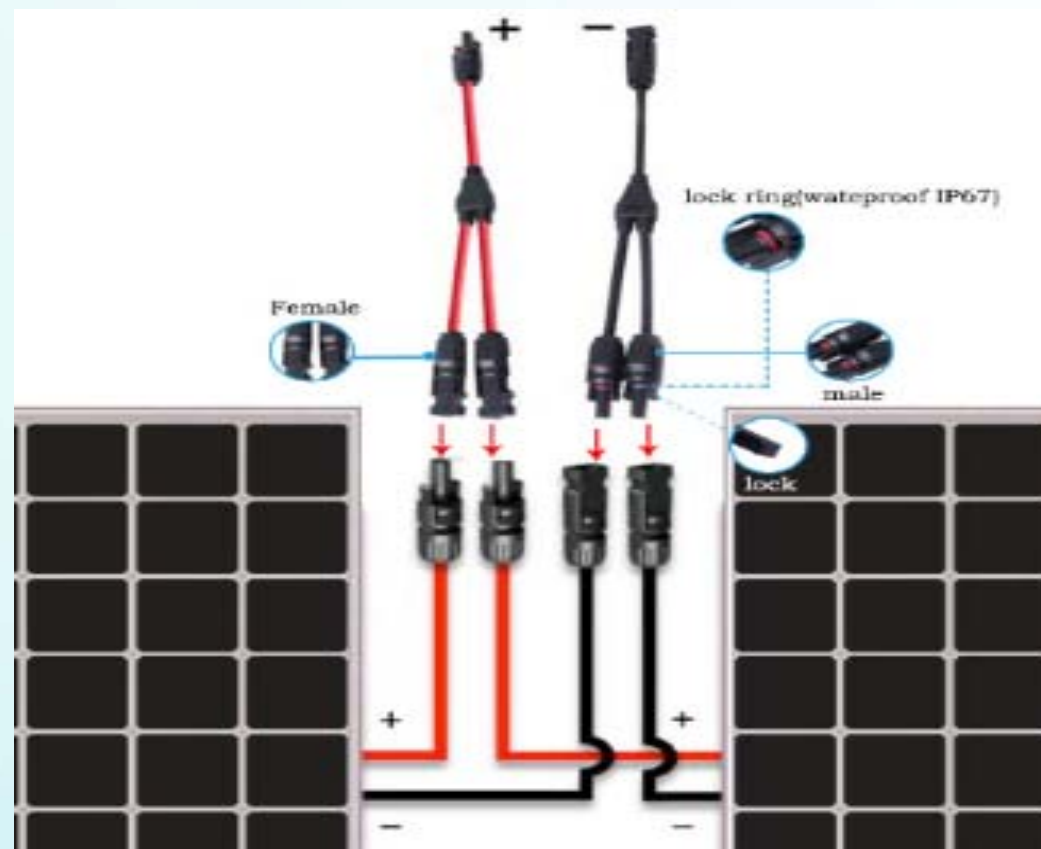
Product Technical Parameters

Current rating	30A
Rated voltage	1000/1500V DC
Applicable cables	2. 5mm ² /4mm ² /6mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA/PVC

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Part No:

Series:	DS1162-16	-	1T2	B	6	6	P
No.of contacts:	1T2:1F2M+1M2F						
Housing color:	B: Black						
Plating:	6: Sn plated						
Cable color:	B: Black, R:Red						
Length:	0300:300mm,0350:350mm						



PV4.0 Solar Branch Harness---1T2 (Type 2)



Product Photos:



We can provide customized services based on customer needs, including wire length, wire diameter, color, connector type, etc

Product Technical Parameters

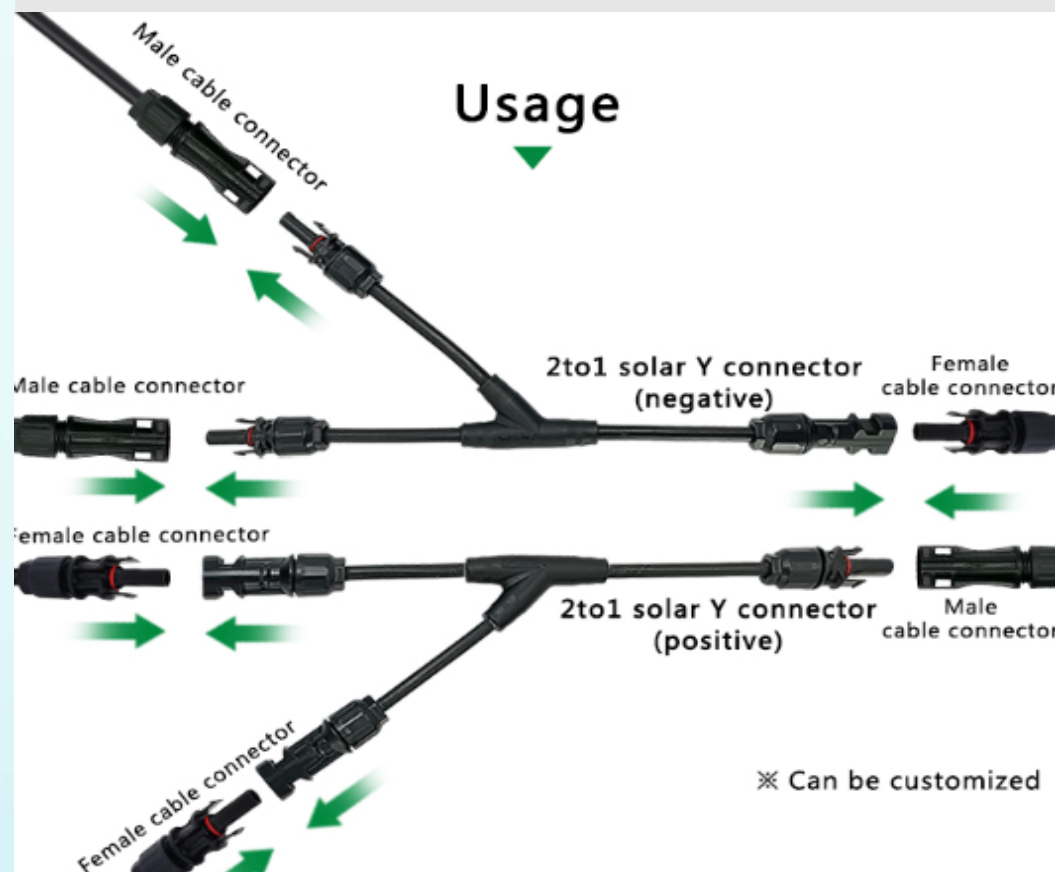
Current rating	30A
Rated voltage	1000/1500V DC
Applicable cables	2.5mm ² /4mm ² /6mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP68
Flame class	UL94V-0
Unlock type	Manual disassembly/Tool disassembly
Insulation material	PPE/TPE/PA

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Part No:

Series:	DS1162-54	-	03	1	10	4	0300
No.of contacts:	03:3PIN						
Connector type:	1:1F2M,21M2M						
Rated voltage:	10: 1000V, 15:1500V						
Applicable cables	2.5:2.5mm ² , 4:4mm ² , 6:6mm ²						
Length:	0300:300mm,0350:350mm						

Usage



PV4.0 Solar Branch Harness---1T3



Product Photos:



We can provide customized services based on customer needs, including wire length, wire diameter, color, connector type, etc

Product Technical Parameters

Current rating	30A
Rated voltage	1000/1500V DC
Applicable cables	2.5mm ² /4mm ² /6mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA/PVC

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Part No:

Series:	DS1162-16	-	1T3	B	6	6	P
No.of contacts:	1T3: 1F3M+1M3F						
Housing color:	B: Black						
Plating:	6: Sn plated						
Cable color:	B: Black, R:Red						
Length:	0350:350mm						



QUALITY TINNED COPPER

TINNED COPPER

Tin plating process, oxidation resistance, good conductivity, 99.98% pure copper, low resistance.

INJECTION MOLDING

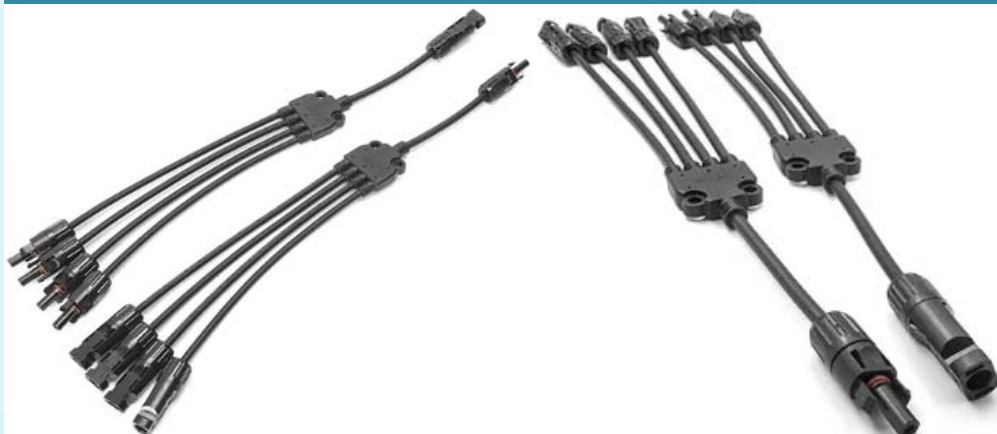
INJECTION MOLDING

The confluence adopts injection molding crimping, which is tightly sealed, waterproof, wear-resistant and durable.

PV4.0 Solar Branch Harness---1T4



Product Photos:



We can provide customized services based on customer needs, including wire length, wire diameter, color, connector type, etc

Product Technical Parameters

Current rating	30A
Rated voltage	1000/1500V DC
Applicable cables	2.5mm ² /4mm ² /6mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA/PVC

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Part No:

Series:	DS1162-16	-	1T4	B	6	6	P
-							
No.of contacts: 1T4: 1F4M+1M4F							
Housing color: B: Black							
Plating: 6: Sn plated							
Cable color: B: Black, R:Red							
Length: 0450:450mm							



QUALITY TINNED COPPER

TINNED COPPER

Tin plating process, oxidation resistance, good conductivity, 99.98% pure copper, low resistance.



INJECTION MOLDING

INJECTION MOLDING

The confluence adopts injection molding crimping, which is tightly sealed, waterproof, wear-resistant and durable.

PV4.0 Solar Branch Harness---1T4



Product Photos:



We can provide customized services based on customer needs, including wire length, wire diameter, color, connector type, etc

Product Technical Parameters

Current rating	30A
Rated voltage	1000/1500V DC
Applicable cables	2.5mm ² /4mm ² /6mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP68
Flame class	UL94V-0
Unlock type	Manual disassembly/Tool disassembly
Insulation material	PPE/TPE/PA

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Part No:

Series:	DS1162-54	-	03	5	10	4	0300
No.of contacts:	04:4PIN						
Connector type:	3:1F3M,21M2M,4:1M3F, 5:2F2M						
Rated voltage:	10: 1000V, 15:1500V						
Applicable cables:	2.5:2.5mm ² , 4:4mm ² , 6:6mm ²						
Length:	0300:300mm,0350:350mm						

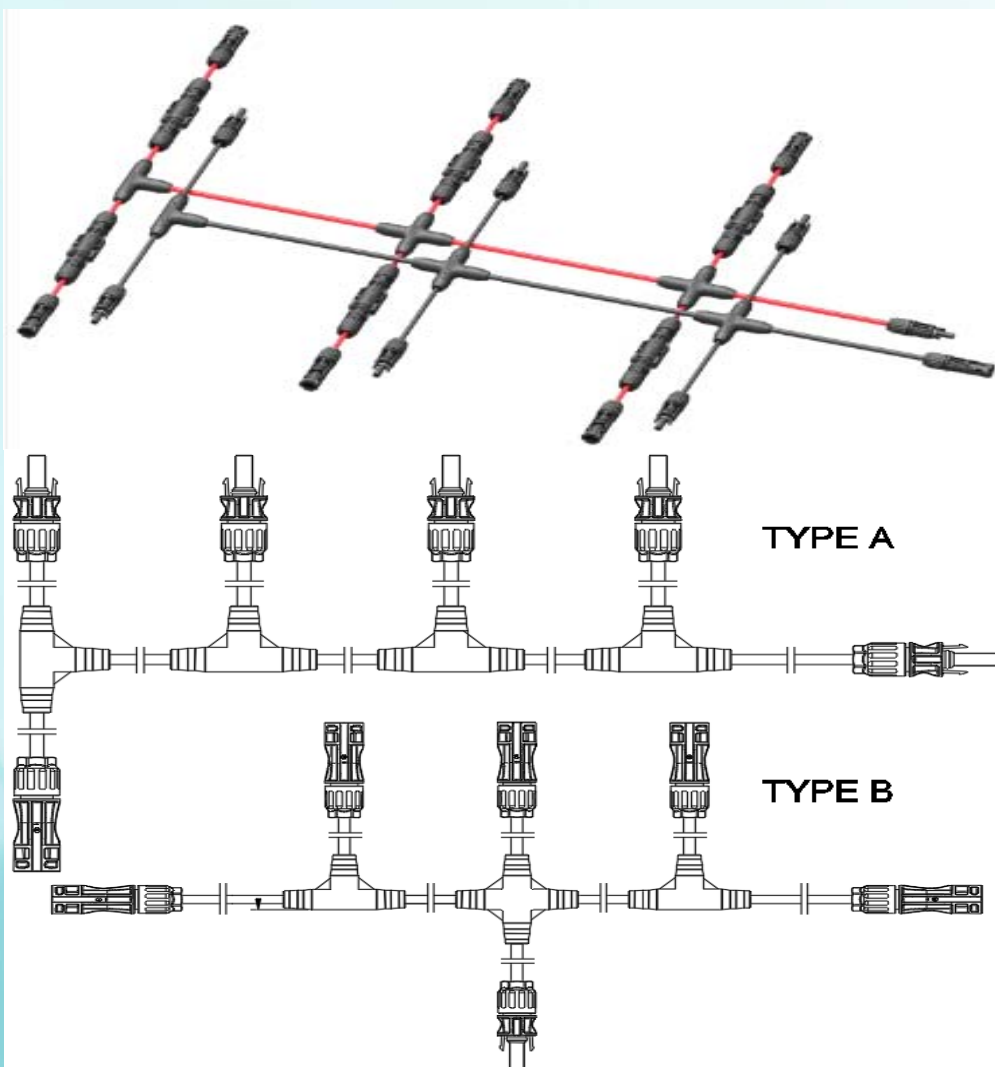


PV4.0 Solar customized wiring harness



Product Photos:

We can provide customized services based on customer needs, including wire length, wire diameter, color, connector type, etc



Product Technical Parameters

Current rating	30A
Rated voltage	1000/1500V DC
Applicable cables	2.5mm ² /4mm ² /6mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP68
Flame class	UL94V-0
Unlock type	Manual disassembly/Tool disassembly
Insulation material	PPE/TPE/PA

Part No:DS1162-58



PV4.0 Solar Fuse Connector



Product Photos:



Product Technical Parameters

Current rating	10A,15A,20A,25A,30A
Rated voltage	1000V DC
Operation temperature	-40℃~+85℃
Degree of protection	IP65
Insulation material	PC/PA

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Part No:

Series:	DS1162-22	-	A	6	B	P	X
Connector type:	A:Adaptor						
Plating:	6: Sn plated						
Housing color:	B: Black						
Packing:	P: Bag						
Current rating:	10:10A, 15:15A, 20:20A, 25:25A, 30:30A						



PV4.0 Solar Fuse Harness



Product Photos:



Part No:

Series: DS1162-55 - 1 10 4 200 15

Connector type: 1:1F+1M

Rated voltage: 10:1000V, 15:1500V

Applicable cables: 2.5:2.5mm², 4:4mm², 6:6mm²

Length: 200: 200mm, 300:300mm

Current rating: 10:10A, 15:15A, 20:20A, 25:25A, 30:30A

Product Technical Parameters

Current rating	10A,15A,20A,25A,30A
Rated voltage	1000/1500V DC
Applicable cables	2.5mm ² /4mm ² /6mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP68
Flame class	UL94V-0
Unlock type	Manual disassembly/Tool disassembly
Insulation material	PPE/TPE/PA



PV4.0 Solar Fuse Harness---1T2



Product Photos:



Part No:

Series: DS1162-57 - 1 10 4 F 15 100 150 100

Connector type: 1:1F+2M, 2:1M+2F

Rated voltage: 10:1000V,15:1500V

Applicable cables: 2.5:2.5mm², 4:4mm², 6:6mm²

Match type: F:Fuse, D:Diode

Current rating: 10A,15A,20A,25A,30A

L1: 50: 50mm, 100:100mm

L2: 100: 50mm, 150:100mm

L3: 50: 50mm, 100:100mm

Product Technical Parameters

Current rating	10A,15A,20A,25A,30A
Rated voltage	1000/1500V DC
Applicable cables	2.5mm ² /4mm ² /6mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP68
Flame class	UL94V-0
Unlock type	Manual disassembly/Tool disassembly
Insulation material	PPE/TPE/PA



PV4.0 Solar Diode Connector



Product Photos:



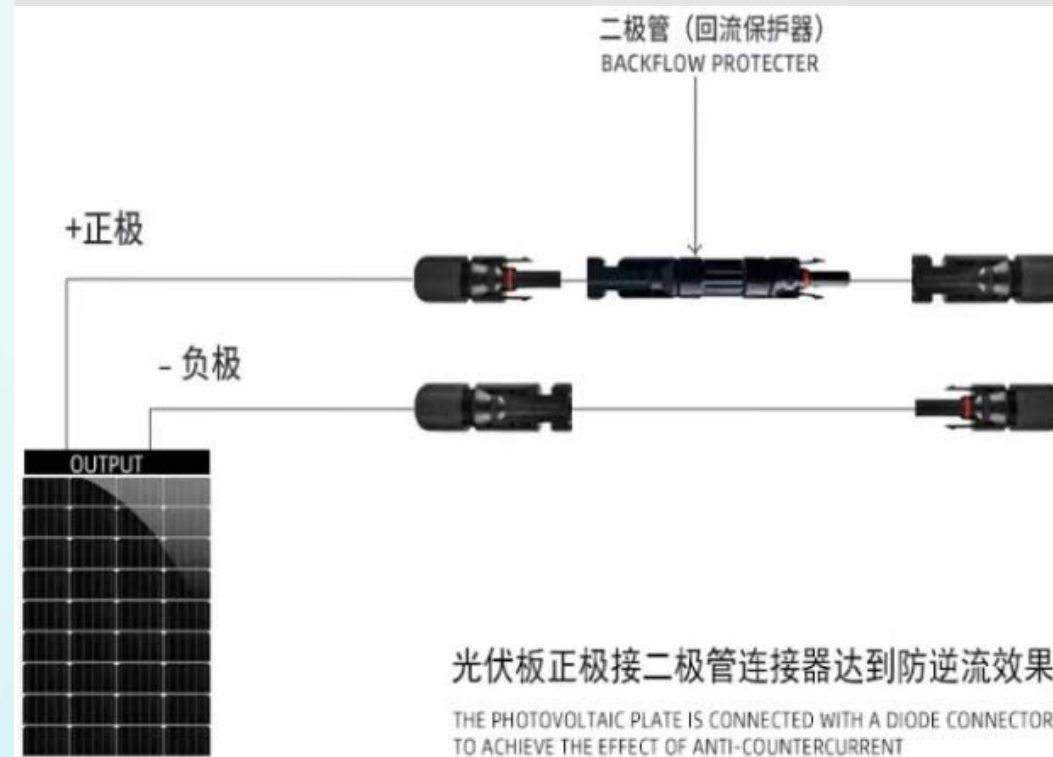
Product Technical Parameters

Current rating	10A, 15A, 20A, 25A, 30A
Rated voltage	1000V DC
Operation temperature	-40°C~+85°C
Degree of protection	IP65
Insulation material	PC/PA

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Part No:

Series:	DS1162-23	-	A	6	B	P	X
Connector type:	A: Adaptor						
Plating:	6: Sn plated						
Housing color:	B: Black						
Packing:	P: Bag						
Current rating:	10:10A, 15:15A, 20:20A, 25:25A, 30:30A						



PV4.0 Solar Diode Harness



Product Photos:



Part No:

Series: DS1162-56 - 1 X B P X

Connector type: 1:1F+1M

Rated voltage: 10:1000V, 15:1500V

Applicable cables: 2.5:2.5mm², 4:4mm², 6:6mm²

Length: 200: 200mm, 300:300mm

Current rating: 10:10A, 15:15A, 20:20A, 25:25A, 30:30A

Product Technical Parameters

Current rating	10A,15A,20A,25A,30A
Rated voltage	1000/1500V DC
Applicable cables	2.5mm ² /4mm ² /6mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP68
Flame class	UL94V-0
Unlock type	Manual disassembly/Tool disassembly
Insulation material	PPE/TPE/PA



PV Solar module grounding wire



Product Photos:



Product Technical Parameters

Operation temperature: -20-+100℃

Terminal material: Copper, Sn plated

Insulating materials: PVC

Maximum voltage: 450/750V

Applicable cables
:
4mm² /6mm²

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Part No:

Series: DS1162-74 - YG 4 100 6

Cable color: YG:Yellow-green

Applicable
cables: 4: 4mm², 4: 6mm²

Length: 100:100mm, 150:150mm, 200:200mm

Circular ring
size: 4:φ4mm, 5:φ5mm, 6:6mm, 8:8mm



Photovoltaic DC extension line



Product Photos:



Product Technical Parameters

Current rating	30A
Rated voltage	1000/1500V DC
Applicable cables	12AWG/4mm ² , 10AWG/6mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA/PP0

Part No:

Series:	DS1162-41	-	1T1	B	6	B	X	L	A
Connector type:	1T1:Male+Female								
Housing color:	B:Black								
Contact plating:	6: Tin								
Wire color:	B:Black, R:Red								
Length:	0300:300mm.....								
Voltage:	H:1500V,L:1000V								
Applicable cables:	A:4mm ² , B6mm ²								



01

02

03

Photovoltaic DC flat extension cable



Product Photos:



Product Technical Parameters

Current rating	30A
Rated voltage	1000/1500V DC
Applicable cables	12AWG/4mm ² , 10AWG/6mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA/PP0

Part No:

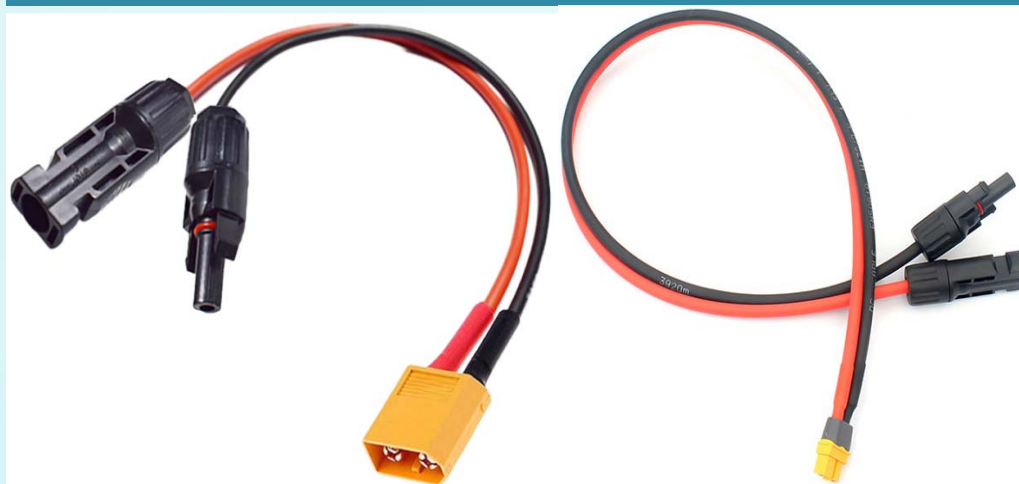
Series:	DS1162-86	-	1T1	B	6	B	X	L	A
Connector type:	1T1:Male+Female								
Housing color:	B:Black								
Contact plating:	6: Tin								
Wire color:	B:Black, R:Red								
Length:	0300:300mm.....								
Voltage:	H:1500V,L:1000V								
Applicable cables:	A:4mm ² , B6mm ²								



Solar to battery connection line---Solar to power type



Product Photos:



Product Technical Parameters

Current rating	30A
Rated voltage	1000/1500V DC
Applicable cables	12AWG/4mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA/PP0

Part No:

Series:	DS1162-81	-	A	1	1	1	1	0600
Connector type:	A:Solar+Power (Female) B:Solar+Power (Male)							
Power type:	1:W/ sheath (DS1171-03) , 2:W/O (DS1171-04)							
Solar type:	1:1000V, 2:1500V							
Cable type:	1:UL3239							
Applicable cables:	1:12AWG							
Length:	0600: 600mm							



01



02



03

Solar to battery connection line---Solar to anderson type



Product Photos:



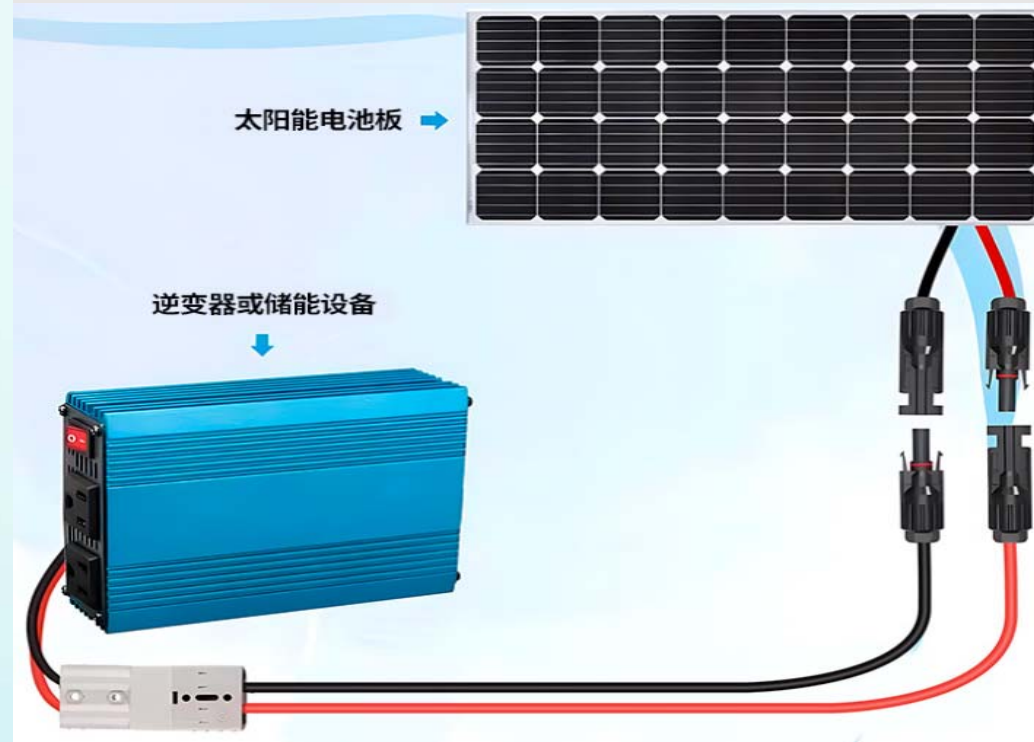
Product Technical Parameters

Current rating	40A
Rated voltage	1000/1500V DC
Applicable cables	12AWG/4mm ²
Operation temperature	-40℃~+85℃
Degree of protection	IP67
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA/PP0

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Part No:

Series:	DS1162-82	-	1	1	1	1	0600
	-						
Anderson type:	1:40A (DS1171-05) 2:50A (DS1171-06)						
Solar type:	1:1000V, 2:1500V						
Cable type:	1:UL3239						
Applicable cables:	1:12AWG;2:10AWG						
Length:	0600: 600mm						



Solar to DC5521 cable



Product Photos:



Product Technical Parameters

Current rating	16A
Rated voltage	12-24V DC
Applicable cables	16AWG/1.5mm ²
Operation temperature	-40°C~+85°C
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA/PPO/PVC

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Part No:

Series:	DS1162-83	-	A	0	1	1	1	1500
Connector type:	A:Solar+DC5521 (Male)							
DC Power type:	0:W/0;1:DC5525;2:DC3135;3:DC7909							
Solar type:	1:1000V, 2:1500V							
Cable type:	1:UL1015+UL2464							
Applicable cables:	1:16AWG							
Length:	1500: 1500mm							



Solar to battery connection line---Solor to anderson type



Product Photos:



Product Technical Parameters

Current rating	30A
Rated voltage	600V DC
Applicable cables	10AWG/6mm ² , 12AWG/4mm ²
Operation temperature	-40℃~+85℃
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA/PPO/PVC

Part No:

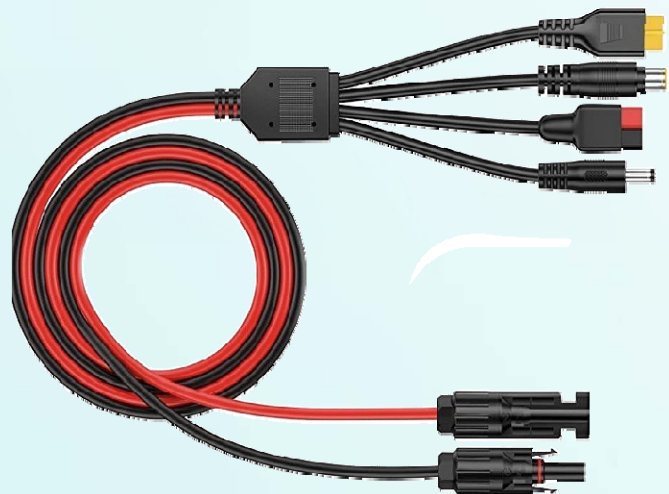
Series:	DS1162-84	-	A	1	1	1000
Connector type:	A:Solar+anderson					
Cable type:	1:UL1015					
Applicable cables:	1:10AWG, 2:12AWG					
Length:	1500: 1500mm					



One to four photovoltaic connection lines



Product Photos:



Product Technical Parameters

Current rating	30A/16A
Rated voltage	12-440V DC
Applicable cables	10AWG, 16AWG
Operation temperature	-40°C~+70°C
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA/PPO/PVC

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Part No:

Series:	DS1162-85	-	4	1	1	1500	0
Connector type:	4:1T4						
Type of adapter:	1:PV 1000V+XT60&anderson&7909+5521						
Applicable cables:	1:12AWG+16AWG						
Length:	1500: 1500mm						
Expansion code:	0						



RV roof solar extension cable



Product Photos:



Product Technical Parameters

Current rating	30A/16A
Rated voltage	12-440V DC
Applicable cables	10AWG, 16AWG
Operation temperature	-40°C~+70°C
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA/PP0/PVC

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Part No:

Series:	DS1162-88	-	1	1	1000	0
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Current:	1:20A;2:50A
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Applicable cables:	1:10AWG
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Length:	1000:1000mm,3000:3000mm...
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Expansion code:	0
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Weather resistant SAE sidewall power cord



Product Photos:



Part No:

Series:	DS1162-87	-	1	1	0300	0
Connector type:	1: SAE adapter					
Applicable cables:	1:12AWG					
Length:	0300:300mm...					
Expansion code:	0					

Product Technical Parameters

Current rating	20A
Rated voltage	50-400V DC
Applicable cables	12AWG/4mm ²
Operation temperature	-40°C~+85°C
Flame class	UL94V-0
Unlock type	Manual disassembly
Insulation material	PC/PA/PPO/PVC



Photovoltaic Module Operation Status Tester (1/3)



Product Photos:



Part No:

Series: DS1162-87 - EY800W

Type: EY800W:800W, EY1600W:1600W, EY1800W:1800W

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Product Technical Parameters

Product Name:	Photovoltaic Module Testing Instrument		
Product type:	EY800W	EY1600W	EY1800W
Power range	5-800W	5-1600W	5-1800W
Voltage	12-60V	12-60V	20-120V
Current	0-35A	0-60A	0-60A
Display Method:	LCD(Liquid Crystal Display)		
Backlight	Has		
Power supply method	photovoltaic module power supply		
Packaging method	EVA toolkit packaging		
Dimensions	165*80*30mm		
Product weight	450g		
Target users	Photovoltaic module manufacturers, photovoltaic module operators, photovoltaic module installers, photovoltaic module users, etc		
Product features	1. Switch between automatic/manual testing mode; 2. It has over temperature, over voltage, and over current protection; 3. Reverse connection protection for photovoltaic modules; 4. Over rated power protection; 5. No additional power supply required		
Function	Test the maximum power and open circuit voltage of photovoltaic modules		
AUTOMPPT	When the automatic test button is pressed, the instrument automatically adjusts the test interval time based on the current power value and refreshes the display. At 100W, refresh every 5 seconds or so; At 300W, refresh every 15 seconds or so		
MANUALMPPT	When the manual test button is pressed, the instrument starts a maximum power point scan and refreshes the display.		

Photovoltaic Module Operation Status Tester (2/3)



Usage: Use MC4 connector wires or clip connection wires to connect the positive/negative terminals of the photovoltaic module to the positive/negative terminals of the tester, and then press "AUTOMPPT" for automatic detection, or press "MANUAL MPPT" for manual detection (see technical parameters on the previous page for button instructions).



Photovoltaic Module Operation Status Tester (3/3)



Automatic measurement, easy to operate

When the (AUTO MPPT) test button is pressed, the automatically adjusts the test interval time based on the current power value. The higher the power, the longer the interval time, and refreshes the digital display.



High definition backlight

HD BACKLIGHT

High-definition LCD display, with its own backlight, the sun is still clear



Screen Display:

Pmax: Maximum power point power
VMP: Maximum power point voltage
Imp: Maximum power point current
Voc: Open circuit voltage

PV Solar Wire---UL4703



Product Photos:



Part No:DS1162-27

Product Technical Parameters

Rated voltage:	1000V AC
Dielectric withstanding voltage:	6.0KV AC
Operation temperature:	-40° C to +90° C
Service life:	25 Years
Weathering/ UV-resistance:	UL2556
Fire test:	UL1581 VW-1

Cable Structure Chart

Conductor		Conductor Stranded OD.max(mm)	Cable OD.(mm)	Max Cond Resistance (Ω/km,20°C)
AWG	No/mm(A)			
18	16/0.254	1.18	5.00	23.20
16	26/0.254	1.49	5.30	14.60
14	41/0.254	1.88	5.70	8.96
12	65/0.254	2.36	6.20	5.64
10	105/0.254	3.00	6.90	3.546
8	168/0.254	4.10	8.40	2.23
6	266/0.254	5.20	10.30	1.403
4	420/0.254	6.50	11.70	0.882
2	665/0.254	8.25	13.50	0.5548

PV Solar Wire---TUV PV1-F DOUBLE PARALLEL



Product Photos:



Part No:DS1162-28

Product Technical Parameters

Rated voltage:	1000V AC, 1500V DC
Dielectric withstanding voltage:	6.5KV AC
Operation temperature:	-40° C to +90° C
Service life:	25 Years
Weathering/ UV-resistance:	EN60811-2-1
Fire test:	EN30332-1-2

Cable Structure Chart

Core*Cross section(mm)	Conductor construction Dim A(No./mm)	Insulation Thickness Dim B(mm)	Jacket Thickness Dim C(mm)	Cable OD Dim D*E(mm)	Max Cond Resistance (Ω/km,20°C)
2x1.5	30/0.25	0.70	0.80	5.0*10.3	13.7
2x2.5	49/0.25	0.70	0.80	5.2*10.8	8.21
2x4.0	56/0.285	0.70	0.80	5.5*11.2	5.09
2x6.0	84/0.285	0.70	0.80	6.2*12.5	3.39
2x10	84/0.4	0.70	0.80	7.5*15.2	1.95
2x16	128/0.4	0.70	0.80	9.6*19.7	1.24

PV Solar Wire---EN H1Z2Z2-K



Product Photos:



Product Technical Parameters

Rated voltage:	1000V AC, 1500V DC
Dielectric withstanding voltage:	6.5KV AC
Operation temperature:	-40° C to +90° C
Service life:	25 Years
Weathering/ UV-resistance:	EN60811-2-1
Fire test:	EN30332-1-2

Product Technical Parameters

Rated voltage:	1000V AC, 1500V DC
Dielectric withstanding voltage:	6.5KV AC
Operation temperature:	-40° C to +90° C
Service life:	25 Years
Weathering/ UV-resistance:	EN60811-2-1
Fire test:	EN30332-1-2

Cable Structure Chart

Cross section(mm ²)	Conductor construction Dim A(No./mm)	Cable OD (mm)	Max Cond Resistance (Ω/km,20°C)	Current carrying Capacity AT 60°C(A)
1.5	30/0.25	4.9	13.7	30
2.5	49/0.25	5.4	8.21	41
4.0	56/0.285	6.0	5.09	55
6.0	84/0.285	6.5	3.39	70
10	84/0.4	8.0	1.95	98
16	128/0.4	9.6	1.24	132
25	192/0.4	11.4	0.795	176
35	276/0.4	13.3	0565	218

PV4.0 Solar connector wrench--- (1)

Product Photos:



Operation diagram:



Product Series:DS1162-20

Product Technical Parameters

Temperature range: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Material: PC/PA



PV4.0 Solar connector wrench --- (2)

Product Photos:



Product Series: **DS1162-63**

Product Technical Parameters

Temperature range: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Material: PC/PA

Specification diagram:



PV4.0 Solar connector wrench --- (3)

Product Photos:



Product Series: **DS1162-76**

Product Technical Parameters

Temperature range: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Material: PC/PA

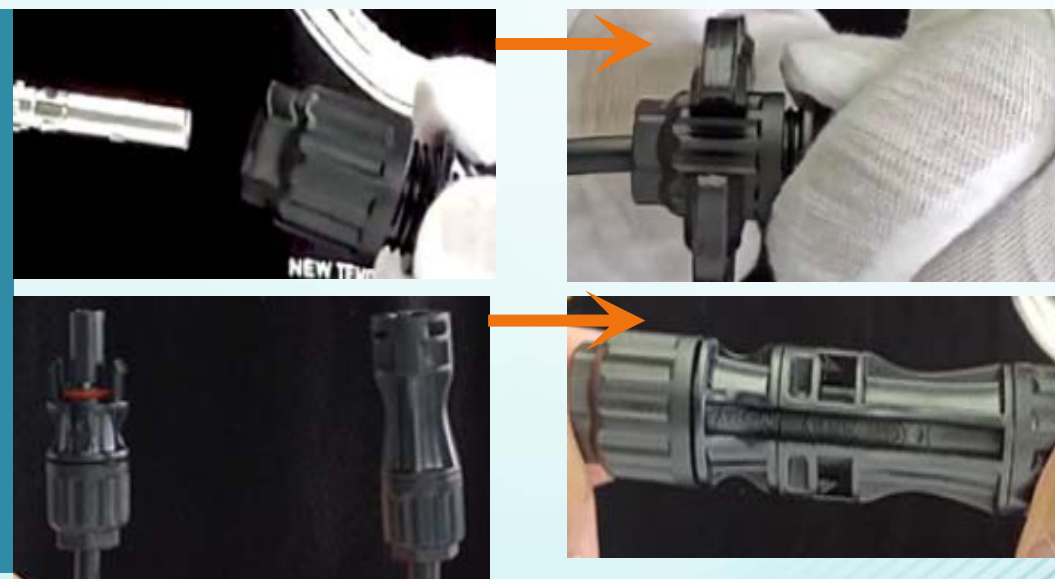
Applicable categories: DS1162-54, DS1162-55
DS1162-56, DS1162-57

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Operation diagram:



Operation diagram:



PV4.0 Solar connector wrench --- (4)

Product Series:DS1162-61

Product Photos:



Product Series:DS1162-62

Product Photos:



PV4.0 Solar connector crimping pliers



Product Photos:



Product Series: **DS1162-24**

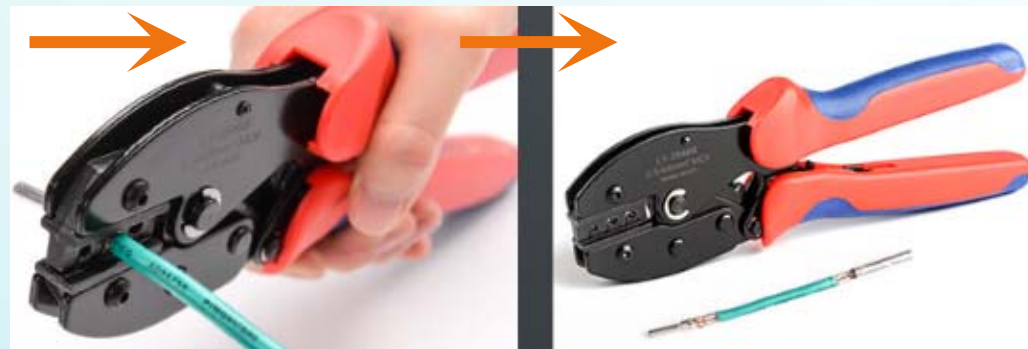


Product Series: **DS1162-25**

Product Technical Parameters

Applicable cables: 2.5mm² , 4mm² , 6mm²

Operation diagram:



PV4.0 Solar connector crimping pliers(Extended handle)



Product Photos:



Product features:

Positioner

High strength

Release device
Extended handle



Product Series: **DS1162-26**

Product Technical Parameters

Applicable cables: 2.5mm², 4mm², 6mm²

Operation diagram:



PV4.0 Solar connector crimping pliers---Machine pin only



Product Photos:



Operation diagram:



Product Series: **DS1162-66**

Product Technical Parameters

Applicable cables: 1.25-10mm²



Multi functional electrical tools (Cutting and stripping wires)



Product Photos:



Product Series:DS1162-59



Product Series:DS1162-60

Product Technical Parameters

Applicable cables: 22-10AWG

Operation diagram:



Multi functional electrical tools (Cutting and stripping wires)

Product Photos:



Cutting and stripping wires



Adjustable knob
(Pressure can
be adjusted
through a knob)



Product Series:DS1162-69

Product Technical Parameters

Applicable
cables(crimping): 0.3-5mm²

Special wire stripping pliers for PV4.0 solar connectors



Product Photos:



Product Series: DS1162-70

Product Technical Parameters

Applicable cables: 14/12/10AWG

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Operation diagram:



Multi purpose toolkit for PV4.0 solar connectors



Tool kit--Type (一)

Product Series: **DS1162-29**

Product Photos:



Product Technical Parameters

Applicable cables: 2.5mm², 4mm², 6mm²

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Tool kit--Type (二)

Product Series: **DS1162-30**

Product Photos:



Product Technical Parameters

Applicable cables: 2.5mm², 4mm², 6mm²

Multi purpose toolkit for PV4.0 solar connectors



Tool kit--Type (三)

Product Series:DS1162-31

Product Photos:



Product Technical Parameters

Applicable cables(crimping): 2.5mm² , 4mm² , 6mm²

Applicable cables(Strip wire): 14-8AWG

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Tool kit--Type (四)

Product Series:DS1162-49

Product Photos:



Product Technical Parameters

Applicable cables(crimping): 2.5mm² , 4mm² , 6mm²

Applicable cables(Strip wire): 20-10AWG

Multi purpose toolkit for PV4.0 solar connectors



Tool kit--Type (五)

Product Series:DS1162-50

Product Photos:



Product Technical Parameters

Applicable cables(crimping): 2.5mm² , 4mm² , 6mm²

Applicable cables(Strip wire): 20-10AWG

www.coninfly.com

Tool kit--Type (六)

Product Series:DS1162-51

Product Photos:



Product Technical Parameters

Applicable cables(crimping): 2.5mm² , 4mm² , 6mm²

Applicable cables(Strip wire): 20-10AWG

Multi purpose toolkit for PV4.0 solar connectors



Toolkit--Type (七)

Product Series:DS1162-52

Product Photos:



Product Technical Parameters

Applicable cables(crimping): 2.5mm² , 4mm² , 6mm²

Applicable cables(Strip wire): 20-10AWG

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Toolkit--Type (八)

Product Series:DS1162-53

Product Photos:



Product Technical Parameters

Applicable cables(crimping): 2.5mm² , 4mm² , 6mm²

Applicable cables(Strip wire): 14/12/10AWG

Multi purpose toolkit for PV4.0 solar connectors



Toolkit--Type (九)



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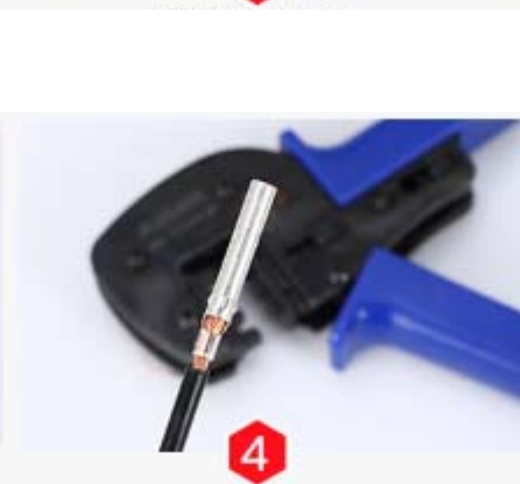
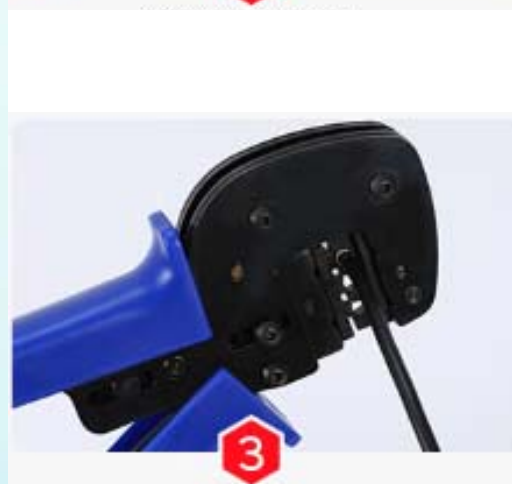
Product Series:DS1162-77

Product Technical Parameters

Applicable
cables(crimping): 2.5mm² , 4mm² , 6mm²

Applicable
cables(Strip wire): 22-10AWG

Operation diagram:





Connectors
Wire Assembly
Solutions
ODM/OEM

THANK YOU!

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