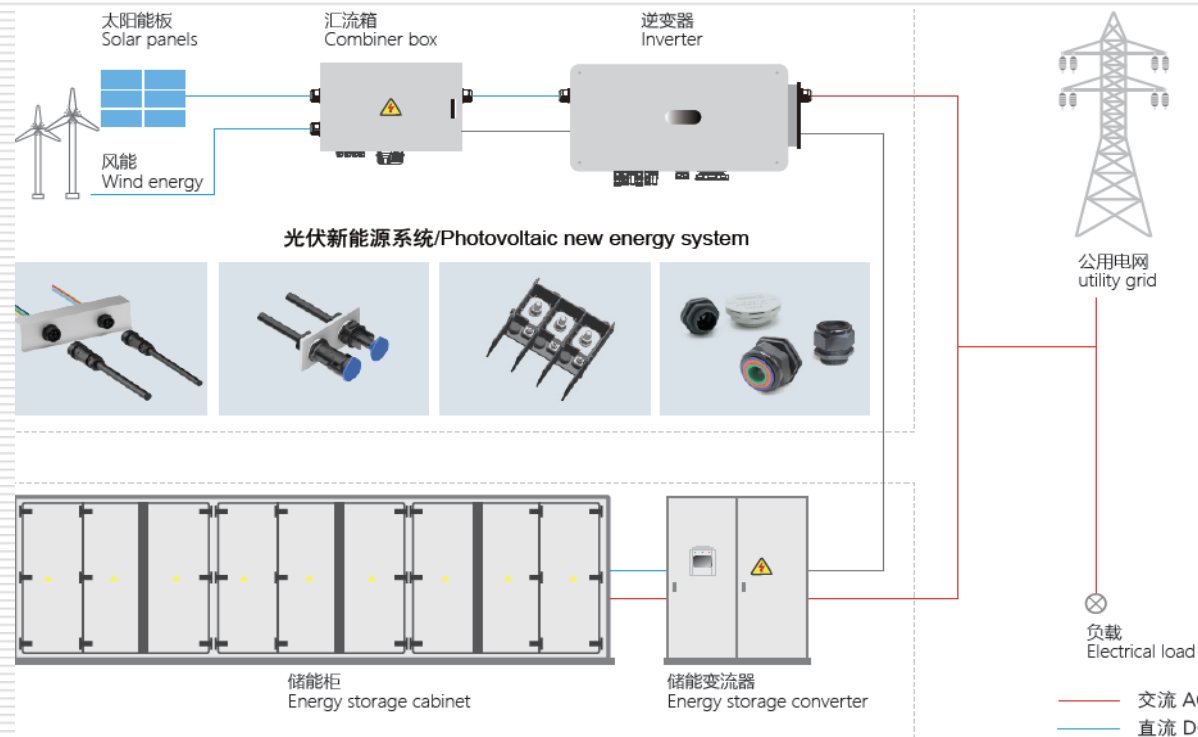


Introduction To Solar Products

- *Product Application Field*
- *PV4.0 Solar Cable Connector*
- *PV4.0 Solar Panel Connector*
- *PV4.0 Solar Fuse Connector*
- *PV4.0 Solar Diode Connector*
- *PV4.0 Solar Branch Connector*
- *PV4.0 Solar Branch Harness*
- *Solar AC Connector*
- *PV Tools Kit*
- *PV Solar Wire*

Product Application Field

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



PV4.0 Solar Cable Connector (1500 DC)

Products:



Product Specification:

- *Rated current: 30A*
- *Rated voltage: 1500V DC*
- *Contact resistance: 0.5mΩ Max*
- *Degree of protection: IP67*
- *Flame class: UL94V-0*
- *Ambient temperature range: -40℃ ~ +85℃*
- *Suitable cable cross sections: 2.5~6mm² / 14~10AWG*

Part No:

➤ *DS1162-01 Series*

➤ *For details:*

https://en.connfly.com/list_193/1394.html



PV4.0 Solar Cable Connector (1500 DC) ---- (With Anti Retreat Structure)

Products:



Product Specification:

- *Rated current: 30A/50A (Machine Pin)*
- *Rated voltage: 1500V DC*
- *Contact resistance: 0.5mΩ Max*
- *Degree of protection: IP67*
- *Flame class: UL94V-0*
- *Ambient temperature range: -40℃ ~ +85℃*
- *Suitable cable cross sections: 2.5~6mm²/14~10AWG*

Part No:

➤ *DS1162-21 Series*

➤ *For details:*

[https://en.connfly.com/search/?
keyword=ds1162&scode](https://en.connfly.com/search/?keyword=ds1162&scode)



PV4.0 Solar Cable Connector (1000 DC)

Products:



Part No:

➤ *DS1162-01 Series*

➤ *For details:*

https://en.connfly.com/list_193/1394.html

Product Specification:

- *Rated current: 30A*
- *Rated voltage: 1000V DC*
- *Contact resistance: 0.5mΩ Max*
- *Degree of protection: IP67*
- *Flame class: UL94V-0*
- *Ambient temperature range: -40℃ ~ +85℃*
- *Suitable cable cross sections: 2.5~6mm²/14~10AWG*



IP67 Rating
Waterproof and dustproof



UV Resistant

Anti-aging and durable

Cold Resistant

Temperature range from -40℃ to +85℃

PV4.0 Solar Panel Connector (1500 DC)

Products:



Product Specification:

- *Rated current: 30A*
- *Rated voltage: 1500V DC*
- *Contact resistance: 0.5mΩ Max*
- *Degree of protection: IP67*
- *Flame class: UL94V-0*
- *Ambient temperature range: -40℃ ~ +85℃*
- *Suitable cable cross sections: 2.5~6mm² / 14~10AWG*

Part No:

➤ *DS1162-01 Series*

➤ *For details:*

https://en.connfly.com/list_193/1394.html



PV4.0 Solar Panel Connector (1000 DC)

Products:



Product Specification:

- *Rated current: 30A*
- *Rated voltage: 1000V DC*
- *Contact resistance: 0.5mΩ Max*
- *Degree of protection: IP67*
- *Flame class: UL94V-0*
- *Ambient temperature range: -40℃ ~ +85℃*
- *Suitable cable cross sections: 2.5~6mm² / 14~10AWG*

Part No:

➤ *DS1162-01 Series*

➤ *For details:*

https://en.connfly.com/list_193/1394.html



PV4.0 Solar Fuse Connector (1000 DC)

Products:



Part No:

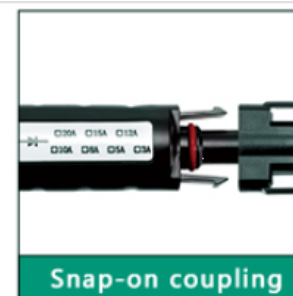
➤ *DS1162-22 Series*

➤ *For details:*

https://en.connfly.com/list_193/1697.html

Product Specification:

- *Rated current:10A/15A/20A/25A/30A*
- *Rated voltage:1000V DC*
- *Contact resistance:0.5mΩ Max*
- *Degree of protection: IP65*
- *Flame class:UL94V-0*
- *Ambient temperature range:-40℃~+85℃*



PV4.0 Solar Diode Connector (1000 DC)

Products:



Part No:

➤ *DS1162-23 Series*

➤ *For details:*

<https://en.connfly.com/search/?keyword=DS1162>

Product Specification:

- *Rated current:10A/15A/20A/25A/30A*
- *Rated voltage:1000V DC*
- *Contact resistance:0.5m Ω Max*
- *Degree of protection: IP65*
- *Flame class:UL94V-0*
- *Ambient temperature range:-40 $^{\circ}$ C~+85 $^{\circ}$ C*



PV4.0 Solar Branch Connector (1500 DC) --- 2 TO 1

Products:



Product Specification:

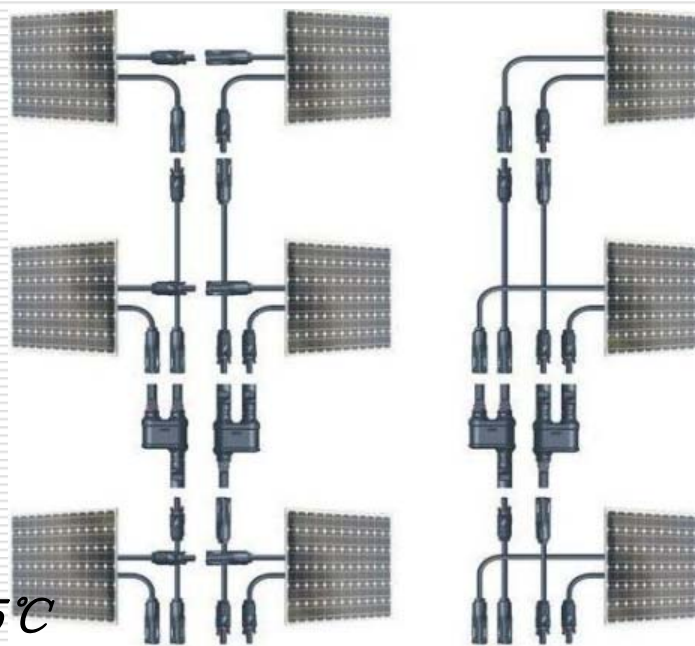
- *Rated current: 50A*
- *Rated voltage: 1500V DC*
- *Contact resistance: 0.5mΩ Max*
- *Degree of protection: IP67*
- *Flame class: UL94V-0*
- *Ambient temperature range: -40℃ ~ +85℃*

Part No:

➤ *DS1162-14 Series*

➤ *For details:*

https://en.connfly.com/list_193/1694.html



PV4.0 Solar Branch Connector (1500 DC)---3 TO 1

Products:



Part No:

➤ *DS1162-14 Series*

➤ *For details:*

https://en.connfly.com/list_193/1694.html

Product Specification:

- *Rated current:50A*
- *Rated voltage:1500V DC*
- *Contact resistance:0.5mΩ Max*
- *Degree of protection: IP67*
- *Flame class:UL94V-0*
- *Ambient temperature range:-40℃~+85℃*



PV4.0 Solar Branch Connector (1500 DC)---4 TO 1

Products:



Part No:

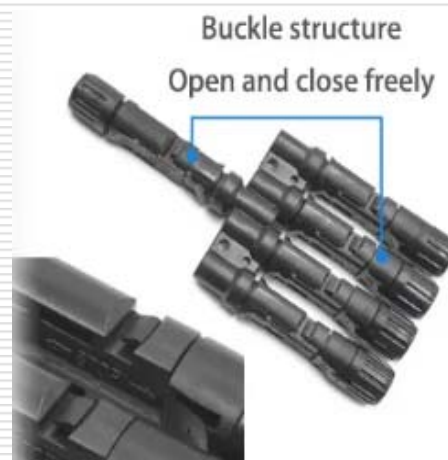
➤ *DS1162-14 Series*

➤ *For details:*

https://en.connfly.com/list_193/1694.html

Product Specification:

- *Rated current:50A*
- *Rated voltage:1500V DC*
- *Contact resistance:0.5mΩ Max*
- *Degree of protection: IP67*
- *Flame class:UL94V-0*
- *Ambient temperature range:-40℃~+85℃*



PV4.0 Solar Branch Connector (1500 DC)---5 TO 1

Products:



Part No:

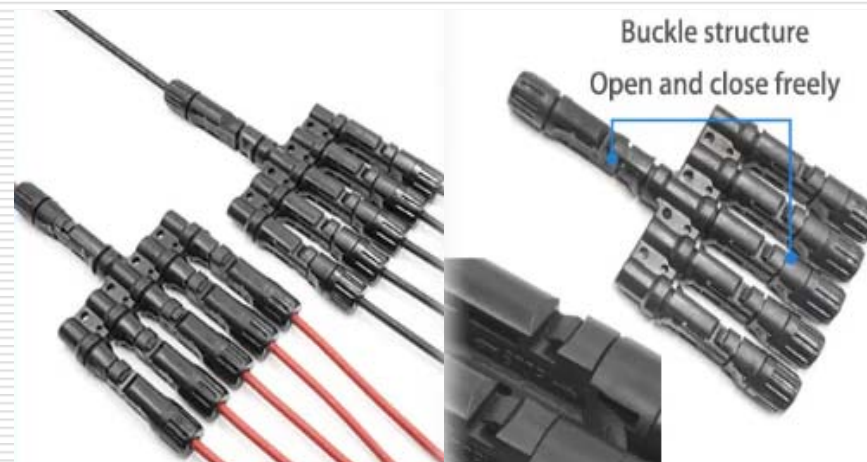
➤ *DS1162-14 Series*

➤ *For details:*

https://en.connfly.com/list_193/1694.html

Product Specification:

- *Rated current:50A*
- *Rated voltage:1500V DC*
- *Contact resistance:0.5mΩ Max*
- *Degree of protection: IP67*
- *Flame class:UL94V-0*
- *Ambient temperature range:-40℃~+85℃*



PV4.0 Solar Branch Connector (1500 DC)---6 TO 1

Products:



Part No:

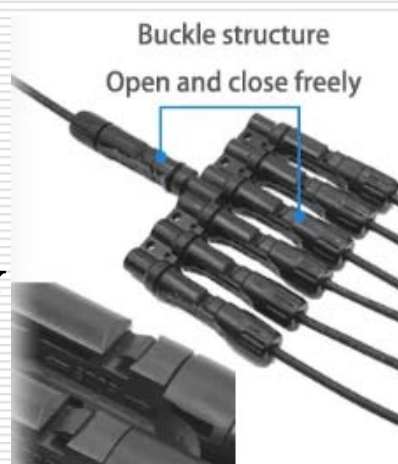
➤ *DS1162-14 Series*

➤ *For details:*

https://en.connfly.com/list_193/1694.html

Product Specification:

- *Rated current:50A*
- *Rated voltage:1500V DC*
- *Contact resistance:0.5mΩ Max*
- *Degree of protection: IP67*
- *Flame class:UL94V-0*
- *Ambient temperature range:-40℃~+85℃*



PV4.0 Solar Branch Harness (1000 DC)---2 TO 1

Products:



Product Specification:

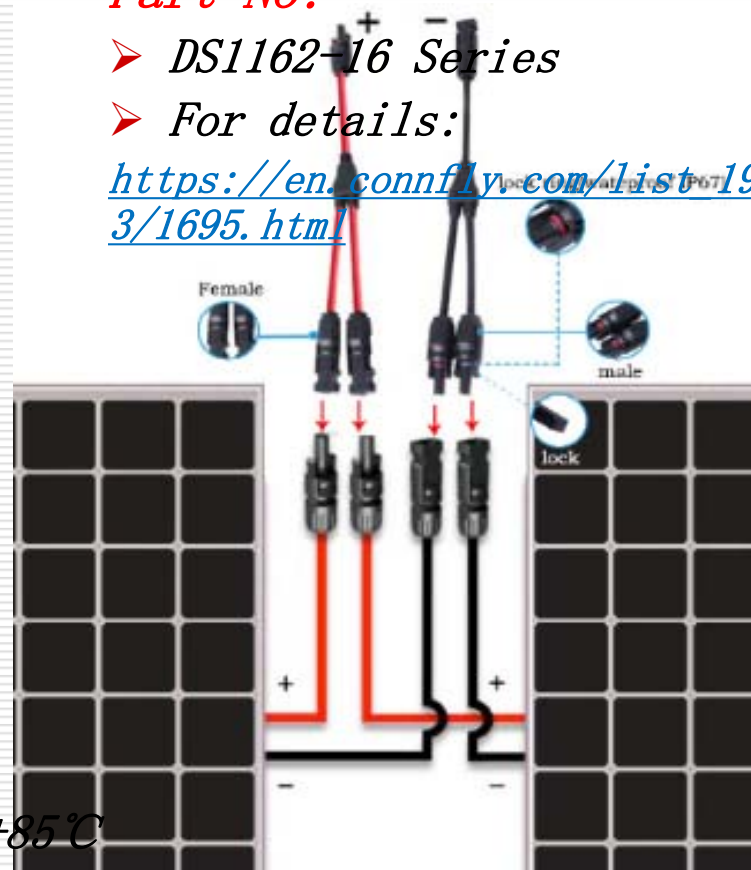
- *Rated current:30A*
- *Rated voltage:1000V DC*
- *Contact resistance:0.5mΩ Max*
- *Degree of protection: IP67*
- *Flame class:UL94V-0*
- *Ambient temperature range:-40℃~+85℃*

Part No:

➤ *DS1162-16 Series*

➤ *For details:*

<https://en.connfly.com/list-193/1695.html>



PV4.0 Solar Branch Harness (1000 DC)---3 TO 1

Products:



Product Specification:

- *Rated current:30A*
- *Rated voltage:1000V DC*
- *Contact resistance:0.5mΩ Max*
- *Degree of protection: IP67*
- *Flame class:UL94V-0*
- *Ambient temperature range:-40℃~+85℃*

Part No:

➤ *DS1162-16 Series*

➤ *For details:*

https://en.connfly.com/list_193/1695.html



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 (1000 DC)---4 TO 1

Products:



Part No:

➤ *DS1162-16 Series*

➤ *For details:*

https://en.connfly.com/list_193/1695.html

Product Specification:

- *Rated current:30A*
- *Rated voltage:1000V DC*
- *Contact resistance:0.5mΩ Max*
- *Degree of protection: IP67*
- *Flame class:UL94V-0*
- *Ambient temperature range:-40℃~+85℃*



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.

Solar AC Connector

Products:



Product Specification:

- Rated current: 50A
- Rated voltage: 500V AC
- Contact resistance: 0.25mΩ Max
- Degree of protection: IP68
- Flame class: UL94V-0
- Ambient temperature range: -40℃ ~ +85℃

Part No:

➤ DS1162-03 Series

➤ For details:

<https://en.connfly.com/search/?keyword=ds1162-03>



PV Tools Kit

Products:



Part No:

➤ DS1162-20 Series

➤ For details:

<https://en.connfly.com/search/?keyword=ds1162>

Products:



Specification:

➤ Suitable cable cross sections: 2.5~6mm²/14~10AWG

Part No:

➤ DS1162-24 Series

➤ For details:

<https://en.connfly.com/search/?keyword=ds1162>

PV Tools Kit

Products:



Specification:

- Suitable cable cross sections: $2.5 \sim 6\text{mm}^2 / 14 \sim 10\text{AWG}$

Part No:

- DS1162-25 Series
- For details:

<https://en.connfly.com/search/?keyword=ds1162>

Products:



Specification:

- Suitable cable cross sections: $2.5 \sim 6\text{mm}^2 / 14 \sim 10\text{AWG}$

Part No:

- DS1162-26 Series
- For details:

<https://en.connfly.com/search/?keyword=ds1162>

PV Tools Kit

Products:



Specification:

- Suitable cable cross sections: $2.5 \sim 6\text{mm}^2 / 14 \sim 10\text{AWG}$

Part No:

- DS1162-29 Series
- For details:

<https://en.connfly.com/search/?keyword=ds1162>

Products:



Specification:

- Suitable cable cross sections: $2.5 \sim 6\text{mm}^2 / 14 \sim 10\text{AWG}$

Part No:

- DS1162-30 Series
- For details:

<https://en.connfly.com/search/?keyword=ds1162>

PV Tools Kit

Products:



Part No:

➤ *DS1162-29 Series*

➤ *For details:*

<https://en.connfly.com/search/?keyword=ds1162>

Specification:

➤ *Suitable cable cross sections: 2.5~6mm²/14~10AWG*

PV Solar Wire

---(UL 4703 PV WIRE)

Products:



Product Specification:

- *Rated voltage:1000V AC*
- *Voltage test on completed cable:6.0KV AC*
- *Ambient temperature:-40° C to +90° C*
- *Service life:25 Years*
- *Weathering/UV-resistance:UL2556*
- *Fire test:UL1581 VW-1*
- *Heat distortion test:
UL1581-560(121±2° C)x1h, 2000g, ≤50%*

Part No:

➤ *DS1162-27 Series*

➤ *For details:*

<https://en.connfly.com/search/?keyword=ds1162>

The Structure of Cable:

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 SOLAR CABLE)

Products:



Part No:

➤ DS1162-28 Series

➤ For details:

<https://en.connfly.com/search/?keyword=ds1162>

The Structure of Cable:

Core*Cross section(mm)	Conductor construction Dlm A(No./mm)	Insulation Thickness Dlm B(mm)	Jacket Thickness Dlm C(mm)	Cable OD Dlm 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
2x15	128/0.4	0.70	0.80	9.6*19.7	1.24

Product Specification:

- Rated voltage:1000VAC, 1500VDC
- Voltage test on completed cable:6.5KV AC
- Ambient temperature:-40° C to +90° C
- Service life:25 Years
- Acid and alkali resistance test:
EN60811-2-1
- Fire test:EN60332-1-2

The End

thanks a lot!

If you have any questions or suggestions please E-mail to:

ding@connfly.com

Thanks a lot!