

## PowerPoles™ Stackable Connectors

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30 AMP PowerPoles™ stacked and assembled in outer housings

- Modular, genderless design for simple assembly
- Single piece housings of impact-resistant polycarbonate are color coded and stackable
- Silver plated solid copper contacts
- Self cleaning contact design
- Integral stainless steel springs
- Flared and heat treated contact barrels readily accept fine stranded wire
- 600 Volt DC, -20°C to 105°C



-20°C TO 105°C



### Contacts

#### 15/30 AMP\*

Part Number	Wire Gauge
PP30-TIP-12	12 – 16*
PP30-TIP-16	16 – 20*

#### 75 AMP

Part Number	Wire Gauge
SY50-TIP-10	10 – 12
SY50-TIP-8	8
SY50-TIP-6	6

#### 120 AMP

Part Number	Wire Gauge
SY120-TIP-6	6
SY120-TIP-4	4
SY120-TIP-2	2

#### 180 AMP

Part Number	Wire Gauge
SY175-TIP-4	4
SY175-TIP-2	2
SY175-TIP-1	1
SY175-TIP-1/0	1/0

\* Housing/Contact assembly carries 30 AMPs when used with 12-16 AWG wire, 15 AMPs with 16-20 AWG wire

PowerPoles Service Kits available on page 82



### Housings

#### 15/30 AMP\*

accepts PP30 contact

Part Number	Color
PP30-BLU	Blue
PP30-BLK	Black
PP30-WHT	White
PP30-RED	Red
PP30-GRN	Green
PP30-GRY	Gray
PP30-ORG	Orange
PP30-YEL	Yellow

#### 75 AMP

accepts SY50 contact

Part Number	Color
PP75-BLU	Blue
PP75-BLK	Black
PP75-WHT	White
PP75-RED	Red
PP75-GRN	Green

#### 120 AMP

accepts SY120 contact

Part Number	Color
PP120-BLU	Blue
PP120-BLK	Black
PP120-WHT	White
PP120-RED	Red
PP120-GRN	Green

#### 180 AMP

accepts SY175 contact

Part Number	Color
PP180-BLU	Blue
PP180-BLK	Black
PP180-WHT	White
PP180-RED	Red
PP180-GRN	Green

## 30 AMP Outer Housings

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- High impact, corrosion resistant nylon
- Connects and disconnects easily
- Integral latches and cable clamps
- Accommodates two to eight 20 AMP maximum circuits

### 30 AMP Spacer Keys

Spacer keys square off a block of stacked 30 AMP connectors for use in outer housings

Female Part Number	Color
PP30-KEY-F	Red
Male Part Number	Color
PP30-KEY-M	Red



### 4 Pole



Panel Mount PP30-H4P Hardware Kit PP30-HW-4

### 6 Pole



Panel Mount PP30-H6P Hardware Kit PP30-HW-6

### 8 Pole



Panel Mount PP30-H8P Hardware Kit PP30-HW-8

# SY® Power Connectors

**ORDER ONLINE**

- Single-piece impact-resistant Polycarbonate Lexan® housings
- Superior tolerance to extreme cold or heat
- Tempered 301 stainless steel connector springs resist vibration arcing and ensure consistent, low resistance connections
- Unique “ramplock” action allows contacts to be easily mated yet securely locked in position
- Self cleaning design keeps conductive surfaces corrosion-free
- Solid copper contacts are plated with 99.9% pure silver for superior connection and maximum conductivity with low resistance
- Heat-treated, flared barrels readily accept fine stranded wire



## Contacts



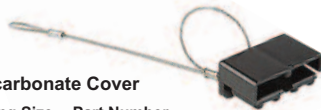
50 AMP		120 AMP		175 AMP		350 AMP	
Part Number	Gauge	Part Number	Gauge	Part Number	Gauge	Part Number	Gauge
SY50-TIP-10	10-12 gauge	SY120-TIP-6	6 gauge	SY175-TIP-6	6 gauge	SY350-TIP-1/0	1/0 gauge
SY50-TIP-8	8 gauge	SY120-TIP-4	4 gauge	SY175-TIP-4	4 gauge	SY350-TIP-2/0	2/0 gauge
SY50-TIP-6	6 gauge	SY120-TIP-2	2 gauge	SY175-TIP-2	2 gauge	SY350-TIP-3/0	3/0 gauge
				SY175-TIP-1	1 gauge	SY350-TIP-4/0	4/0 gauge
				SY175-TIP-1/0	1/0 gauge		

## Housings

50 AMP		120 AMP		175 AMP		350 AMP	
Part Number	Color	Part Number	Color	Part Number	Color	Part Number	Color
SY50-GRY	Gray	SY120-GRY	Gray	SY175-GRY	Gray	SY350-GRY	Gray
SY50-RED	Red	SY120-BLU	Blue	SY175-BLU	Blue	SY350-BLU	Blue
SY50-BLK	Black			SY175-ORG	Orange	SY350-RED	Red
SY50-BLU	Blue			SY175-YEL	Yellow	SY350-GRN	Green
SY50-YEL	Yellow			SY175-RED	Red	SY350-ORG	Orange
						SY350-YEL	Yellow



## Protective Dust Covers



Polycarbonate Cover	
Housing Size	Part Number
175 AMP	STC905
350 AMP	STC906

Rubber Cover		
Connector Housing Size	Black Cover Part Number	Red Cover Part Number
350 AMP	STC902-BLK	STC902-RED
175 AMP	STC903-BLK	STC903-RED
50 AMP	STC904-BLK	STC904-RED



**Power Connector Service Kit available on page 82**



## Custom Power Connector Cables

Polar Wire's cables and harness systems are built with our premium **Arctic Ultraflex Blue®** and **Arctic Superflex Blue®** wire. Get the configurations you need, properly crimped and shrink-sealed for best performance and longevity.

Quality checked at every step. Fast turnaround. Call us today to order!

