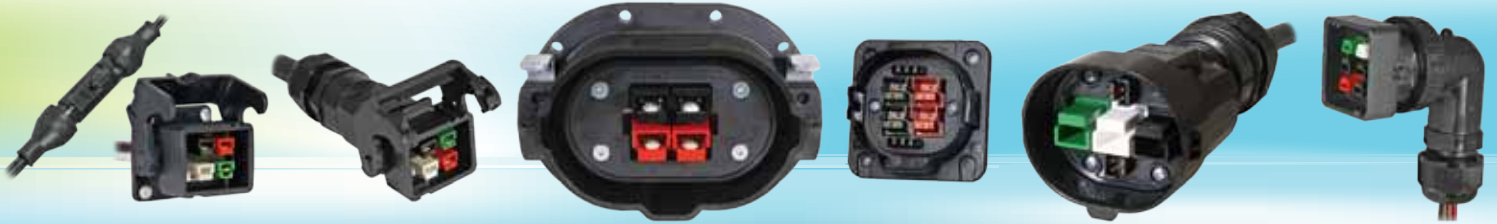


# CONNECTORS

## SPEC Pak® Series

Sealed Power For Environmental Connections



**IP68** | **UV Resistant** | **Touch Safe** | **Power, Signal & Ground** | **Highly Configurable**

		3 Position Mini	4 Position	4 Position Solar	6 Position	Mid Power [1]	High Power	Extreme Power
<b>Amps &amp; Volts</b>	Current Rating UL 1977 (up to) [2] UL 6703A CSA (up to) [3]	22	40	40 20	45	80	240	310
	Voltage Rating (AC/DC) UL 1977 UL 6703A IEC 60644	600	600 1000	600 1000	600	600	600	600
	Temperature Range UL 1977	-20° to 105° C -4° to 221° F	-40° to 105° C -40° to 221° F					
	UL 6703A			-35° to 65° C -31° to 149° C				
<b>Circuits &amp; Wire Size</b>	Power Circuits (Max)	3	4	4	6	4	2, 3 or 6	2, 4, 6 or 9
	Auxiliary Circuits Available [4]	•	•	•	•	8	8	•
	Wire Range AWG mm <sup>2</sup>	22 to 16 0.50 to 2.1	24 to 10 0.25 to 4.0	24 to 10 0.25 to 4.0	24 to 10 0.25 to 4.0	24 to 6 0.25 to 13.3	24 to 3/0 0.25 to 85.0	24 to 3/0 0.25 to 85.0
	Mating Cycles	500	1,500	1,500	1,500	1,500	1,500	1,500
APP® Contact Technology	PowerPod® Pin & Socket Contacts	Powerpole® Flat Wiping Contacts						
APP® Auxiliary Technology	Contacts	PPMX or PowerMod® Pin & Socket Contacts						
<b>Specifications &amp; Special Features</b>	Environmental Seal	IP68 [5]						
	Touch Safe per UL 1977	•	•	•	•			
	Hot Plug per UL 1977		•	•	•	•	•	•
	Flammability Rated per UL 94	V0						
	UV Rating per UL 746C	F1						
	UL 6703A							
	TC200 Thermal Cycling			•				
	HF10 Humidity Cycling			•				
	-35C Impact test			•				
	Locking Feature per NEC 2008			•				
	Vibration Test	•	•	•	•			
	Mechanical Shock Test	•	•	•	•			
Crush Test						•	•	
Color Coding		•	•	•	•	•	•	
Sequencing	•	•	•	•	•	•	•	
Other	•	•	•	•	•	•	•	

[1] Mid Power data listed is preliminary. UL/CSA testing is scheduled to be in Summer 2012.

[2] Amp ratings are per contact. Derating is necessary when multiple contacts are used together.

[3] CSA rating is based on not exceeding 30°C rise over ambient.

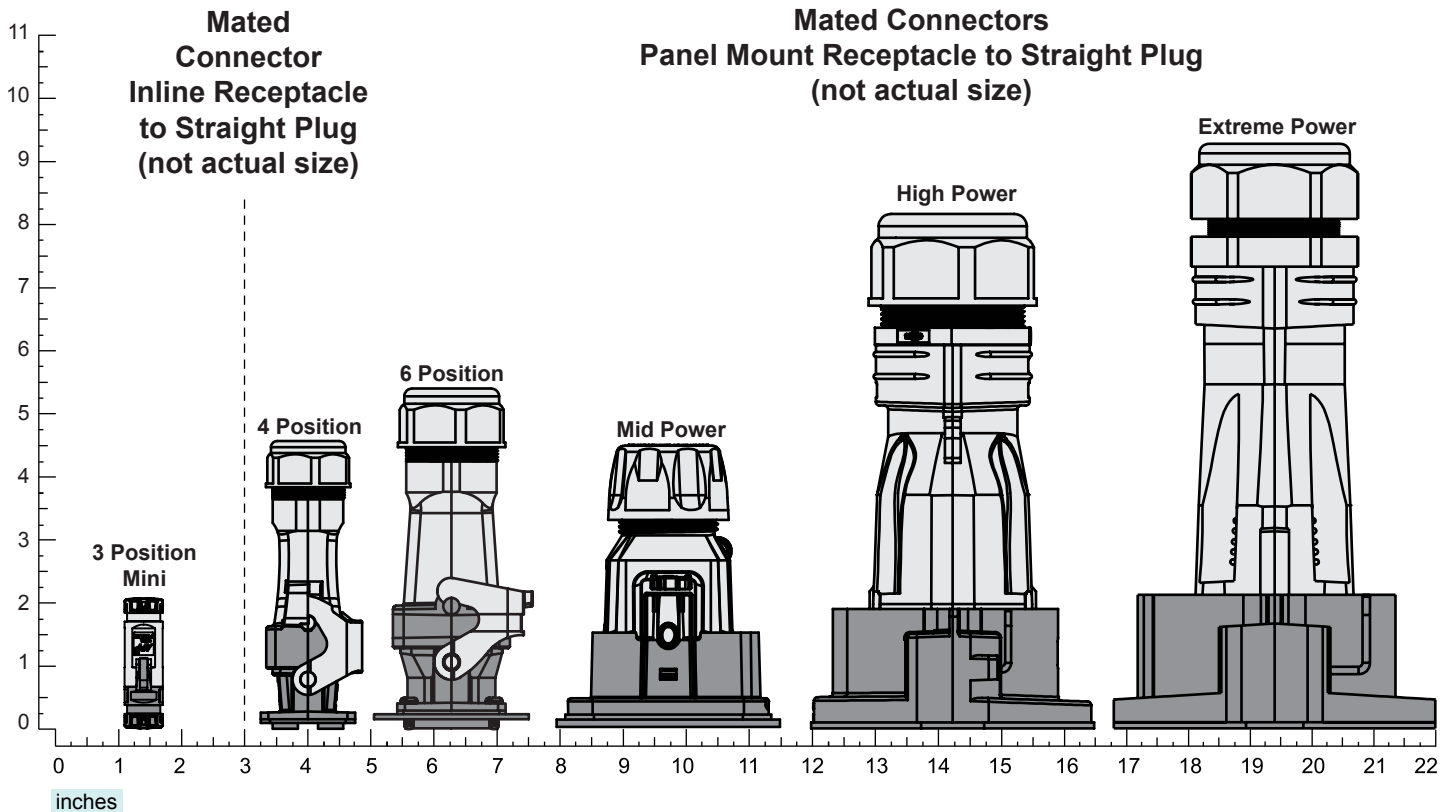
[4] Auxiliary circuits can be added by substituting auxiliary circuits for power circuits.

[5] SPEC Pak® connectors have been tested at 6 feet (1.83 meters) for 30 minutes to obtain the IP68 rating.

		3 Position Mini	4 Position	4 Position Solar	6 Position	Mid Power	High Power	Extreme Power
Shell Kit Part Numbers (See data sheets for contact information) Powerpole® Housings & Contacts	Inline Receptacle	SK1-016M03	SK1-050B04	PK1-050B04	-	SK1-076C04	SK1-A95H02 SK1-A95H03 SK1-A95H06 SK1-B95H02 SK1-B95H03 SK1-B95H06	SK1-142E02 SK1-142E04 SK1-142E06 SK1-142E09
	Panel Mount Receptacle	-	SK2-050B04	PK2-050B04	SK2-053B06	SK2-076C04	SK2-095H02 SK2-095H03 SK2-095H06	SK2-142E02 SK2-142E04 SK2-142E06 SK2-142E09
	Plug	SK6-016M03	SK6-050B04	PK6-050B04	SK6-053B06	SK6-076C04	SK6-A95H02 SK6-A95H03 SK6-A95H06 SK6-B95H02 SK6-B95H03 SK6-B95H06	SK6-142E02 SK6-142E04 SK6-142E06 SK6-142E09
	Right Angle Plug	-	-	-	SK8-A53B06 SK8-B53B06	-	-	-
	Shell Size	16 mm	50 mm	50 mm	53 mm	76 mm	95 mm	142 mm
	PG Gland Size [6]	N/A	16	16	21 or 29	[7]	36 or 42	42
	Shell Covers							
	Receptacle Cover	SK9-016	SK9-050 SK9R-050	PK9-050 PK9R-050	SK9-053	SK9-076	SK9-095	-
	Plug Cover	-	SK9P-050	PK9P-050	-	SK9P-076	SK9P-095	SK9P-142

[6] PG Glands are required with Inline Receptacle, Plug & Right Angle Plug.

[7] Mid Power gland is intergrated into the inline receptacle & plug shells.



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