

CONNECTORS

SPEC Pak® Series

Sealed Power For Environmental Connections



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

		3 Position Mini PL	4 Position	4 Position Solar	6 Position	Mid Power ^[1]	High Power	Extreme Power
Amps & Volts	Current Rating UL 1977 (up to) ^[2]	22	40	40	45	80	240	310
	UL 6703A			20				
	CSA (up to) ^[3]	16	26	26	29	60	130	230
	Voltage Rating (AC/DC) UL 1977	600	600	600	600	600	600	600
UL 6703A			600					
IEC 60644		1000	1000					
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° F				
Circuits & Wire Size	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	24 to 14	24 to 10	24 to 10	24 to 10	24 to 6	24 to 3/0	24 to 3/0
	mm ²	0.50 to 2.1	0.25 to 4.0	0.25 to 4.0	0.25 to 4.0	0.25 to 13.3	0.25 to 85.0	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		PPMX or PowerMod® Pin & Socket Contacts						
Specifications & Special Features	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	•	•	•	•	•	•	•	

[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 PL	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	SK1-019M03	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	SK6-019M03	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	19 mm	50 mm	50 mm	53 mm	76 mm	95 mm	142 mm
	PG Gland Size [6]	[7]	16	16	21 or 29	[8]	36 or 42	42
	Shell Covers							
	Receptacle Cover	-	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] 3 Position Mini PL gland is required with Inline Receptacle & Plug.

[8] Mid Power gland is integrated into the inline receptacle & plug shells.

