




Required Accessories



To complete system installation, customers will need connectors, cables, and other accessories. Some of these parts may have long lead times, so customers should order the necessary accessories as soon as they finalize their purchase of Aquion batteries. For optimal performance, Aquion recommends the brands and models shown or their equivalent.

ASPEN 48S AND 24S REQUIRED ACCESSORIES

Terminal Connectors (Per battery stack)



2 Terminal Connectors		OR	1 Male/Female Pair		OR	1 Male/Female Pair		
	1 male connector Amphenol H4 PV Panel Connector, Male, P/N H4CMC4DI		+			1 female connector Amphenol H4 PV Panel Connector, Female, P/N H4CFC4DI		1 Male/Female Pair Amphenol H4 PV Panel Connector, Mated Pair, P/N H4CPC4DI

Lifting Eye (For lifting stacks with a crane or hoist. One lifting eye is included with each pallet of batteries ordered directly from Aquion.)





1 Lifting Eye	OR	1 Lifting Eye
 McMaster-Carr, Heavy Duty Steel Oval Eye Nut, 5/8"-11 Thread Size, P/N 3274T43		 Chicago Hardware & Fixture Company, Heavy Duty Stock Eye Nut, 5/8"-11 Tap Size, P/N 17265 3

ASPEN 48M REQUIRED ACCESSORIES

Terminal Connectors (Per battery module)





2 Terminal Connectors		
	+	
1 negative terminal connector Amphenol RADLOK Tubular Connector Black, P/N RLO-100-1-xxBK "xx" refers to cable size, determined by your installation.		1 positive terminal connector Amphenol RADLOK Tubular Connector Red, P/N RLO-100-1-xxRE "xx" refers to cable size, determined by your installation.

Power Cordset (Per battery module)

1 Cordset	OR	1 Cordset - Build Your Own*				
 Amphenol 4-pin miniBOSS Cordset, P/N MN47A4AC01Mxxx Straight connectors shown. Your installation may require 90° connectors. "xxx" is cable length, determined by your installation.			+		+	
		1 Male, 4-Pole Connector Molex Brad® Mini-Change® Field Attachable, Male Connector, 4-Pole, Cable Range: 5.08-11.43mm Outside Diameter with External Threads, P/N 130017-0020		Cabling Not specified; varies by installation		1 Female, 4-Pole Connector Molex Brad® Mini-Change® Field Attachable, Female Connector, 4-Pole, Cable Range: 5.08-11.43mm Outside Diameter with Internal Threads, P/N 130017-0015

*See the [Aspen Battery Installation & Operation Manual](#) for pinout.

Communications Cordset (Per battery module. One is included with each battery module: Amphenol DeviceNet Thick Patch Cable, 2-m, 90°/90°.)

1 Cordset	OR	1 Cordset - Build Your Own*				
 Amphenol DeviceNet Thick Patch Cable, P/N MN57B4BD01Mxxx 90° connectors shown. Your installation may require straight connectors. "xxx" is cable length, determined by your installation.			+		+	
		1 Male, 5-Pole DeviceNet Connector Molex Brad® Mini-Change® Field Attachable, Male Connector, 5-Pole, Cable Range: 5.08-11.43mm Outside Diameter with External Threads, P/N 130017-0029		Cabling Not specified; varies by installation		1 Female, 5-pole DeviceNet Connector Molex Brad® Mini-Change® Field Attachable, Female Connector, 5-Pole, Cable Range: 5.08-11.43mm Outside Diameter with Internal Threads, P/N 130017-0023

*See the [Aspen Battery Installation & Operation Manual](#) for pinout.

Aquion BMS-200 Battery Monitoring System (One per string of up to 16 battery modules)

Contact Aquion for details.

Power Supply (One per string of up to 16 battery modules)

See the [Aspen Battery Installation & Operation Manual](#) for specifications.