



Features

- ▶ High Energy Lithium Ion Technology
- ▶ Rechargeable & Replaceable/Disposable Options
- ▶ Industry Leading Run Times

Description

High energy battery packs are a necessary component in the application of any SmartWireless® gas detection system. Detcon provides several options when selecting the optimal battery back for your application. These options include rechargeable packs as well as packs with disposable/replaceable batteries. Both use lithium ion technology and are available in low and high capacity versions.

While others may specify battery run times of weeks or even days, Detcon battery packs typically provide continuous run times for months at a time. Paired with a solar charging option Detcon SmartWireless® system components can provide indefinite run times.

The battery packs are packaged as a plug in module that uses a mechanical guide and large surface area gold plated mating connectors. A smaller compact version is packaged with a twist-lock design. Both are housed and secured inside a Division 1 enclosure. Optional solar charging panels are available in Class I, Div 1 and Class I, Div 2 packages.

Integrated safety circuitry continuously monitors each battery pack. If the discharge current exceeds the battery rating the output will be turned off until reset. If the voltage drops below operating levels the output will be turned off until the battery is recharged (rechargeables) or replaced (replaceables). Rechargeable packs are also protected from over voltage during charging.

Battery Options ■ for Wireless Applications

R031814

Specifications

	Rechargeable	High Capacity Rechargeable	"D" Cell Replaceable	High Output "D" Cell Replaceable	"C" Cell Replaceable
Used With	Detectors/Alarms/Transceivers	Detectors/Alarms/Transceivers	Detectors/Transceivers	Alarms	Detectors
Battery Pack Part Number	976-0BP303-012	976-0BP303-290	602-004402-000	602-004402-100	602-003870-000
Replacement Cell Part Number	n/a	n/a	360-XL205F-000	360-SH20BA-000	360-026500-000
Quantity of Cells	n/a	n/a	5	5	3
Battery Type	Lithium Ion	Lithium Ion	Lithium Ion	Lithium Ion	Lithium Ion
Connector Type	Plug-in	Plug-in	Plug-in	Plug-in	Twist Lock
Voltage Interconnect	11.1V	11.1V	18V	18V	10.8V
Amp-hour Rating	13.2 AH	17.4 AH	19 AH	13 AH	8.5 AH
Watt-hour Rating	146 WH	193 WH	342 WH	234 WH	91 WH
Battery Pack Dimensions	3.5"H x 3.75"Dia	3.5"H x 3.75"Dia	3.5"H x 3.75"Dia	3.5"H x 3.75"Dia	2.5"H x 2.5"Dia
Fuel Gauge	Yes	Yes	n/a	n/a	n/a
Low Voltage Disconnect	Yes	Yes	n/a	n/a	n/a
Operating Temp. Charging	0 to 45°C; 32 to 113°F	0 to 45°C; 32 to 113°F	n/a	n/a	n/a
Operating Temp. Discharging	-20°C to 60°C; -4°F to 140°F	-20°C to 60°C; -4°F to 140°F	-55°C to 85°C; -67°F to 185°F	-40°C to 85°C; -40°F to 185°F	-55°C to 85°C; -67°F to 185°F
Warranty	1 Year	1 Year	n/a	n/a	n/a

Run Times

	Rechargeable	High Capacity Rechargeable	"D" Cell Replaceable	High Output "D" Cell Replaceable	"C" Cell Replaceable
CXT-DM Gas Detectors	5 months	6 1/2 months	9 months	n/a	2 months
CXT-IR Gas Detector	5 months	6 1/2 months	9 months	n/a	2 months
SW-AV1-DV1 No Alarms	5 months	6 1/2 months	n/a	6 1/2 months	n/a
SW-AV1-DV1 Continuous Operation	5-7 hours	6-9 hours	n/a	6-9 hours	n/a
SW-AV1-DV2 No Alarms	5 months	6 1/2 months	n/a	6 1/2 months	n/a
SW-AV1-DV2 Continuous Operation	4-6 hours	5-8 hours	n/a	5-8 hours	n/a
SW-AV2-DV2 No Alarms	5 months	6 1/2 months	n/a	6 1/2 months	n/a
SW-AV2-DV2 Continuous Operation	4-6 hours	5-8 hours	n/a	5-8 hours	n/a
RXT-300 Transceiver	60 days	80 days	4 months	n/a	n/a
RXT 320 Transceiver	60 days	80 days	4 months	n/a	n/a

Order Guide

Part Number	Description
976-0BP303-012	Plug in rechargeable battery pack
976-0BP303-290	High capacity plug in rechargeable battery pack
602-004402-000	High capacity "D" cell disposable/replaceable battery pack (not for use with alarm systems)
602-004402-100	High capacity/high output "D" cell disposable/replaceable battery pack (alarm systems only)
602-003870-000	"C" cell disposable/replaceable battery pack (for compact CXT-DM and CXT-IR Detectors)
360-XL205F-000	Replacement batteries for "D" cell pack
360-SH20BA-000	Replacement batteries for high output "D" cell pack
360-026500-000	Replacement batteries for "C" cell pack
976-000404-004	4 pack charging station for rechargeables

Four Pack Charging Station



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