



# Power Products

**Factory-approved power sources for Isco Samplers and Flow Meters**

**Batteries • AC Power Packs • Chargers**



**Genuine Isco Power Products ensure best performance and compliance with product warranty conditions.**

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# Nickel-Cadmium Battery

Our Nickel-Cadmium Battery is your best choice where a portable power source is needed in continuous-use applications. It allows more charging cycles than Lead-acid batteries, and isn't damaged by overcharging or being left totally discharged for extended periods.

## Maintenance Free

Isco Nickel-Cadmium Batteries are totally sealed to allow worry-free transport and operation.

## Ruggedly Built

The hardened case is made to withstand the rigors of field use. Heavyweight cables and military-grade connectors assure durability and long life.

## Temperature Tolerant

Output from lead-acid batteries drops substantially at temperatures below 32°F (0°C), but Isco Nickel-Cadmium Batteries are unaffected to -4°F (-20°C).



**Model 934** Isco Part #60-1684-040

**934**

## Recommended for:

Isco Samplers, Flow Meters, and Portable Pumps when used at regularly-serviced monitoring sites.

Output Voltage	12-14V DC
Amp/Hour Rating	4.0
Connector Type	2-pin Circular Amphenol

# Lead-Acid Batteries

Isco Lead-Acid Batteries are best wherever portable standby power is required. They have a very low self-discharge rate and outperform Ni-Cad batteries in applications where battery power is used sporadically over long periods of time. All are environmentally sealed and maintenance-free. Fluid level checks and refilling are not required.

## Model 945 Isco Part No. 60-2004-041

A rechargeable\* lantern-style battery. For use in our 2191 Battery Module.

\* Use Isco Lantern Battery Charger Adapter Part #60-2004-040 (not shown).



## Model 946 Isco Part No. 60-3004-106

Proven in decades of service. The industry standard in lead-acid batteries.



## Model 947 Isco Part No. 60-3114-011

Designed and built exclusively for use in Isco 4100 Series Flow Loggers.



## Model 948 Isco Part No. 68-3000-948

This gelled-electrolyte automotive style battery delivers 45 Amp-hours (about seven times that of the Model 946) at 12 volts DC. Includes protective case and instrument connection cable.



### Recommended for:

Sites with intermittent or sporadic activity - stormwater runoff monitoring, inflow & infiltration (I&I) studies, combined sewer overflow (CSO) monitoring, etc.

	945	946	947	948
Output Voltage	6V DC	11-13.5V DC	11-13.5V DC	12V DC
Amp/Hour Rating	5.0	6.5	6.5	45
Connector Type	Coiled Wire	2-pin Circular Amphenol	4-pin Circular	2-pin Circular Amphenol



# High-capacity Power Packs

Our rugged, High capacity Power Packs safely and reliably convert available AC voltage to DC power. Not battery-backed. Intended for use only where a reliable AC power source exists.

## Built-in Battery Charger

Use the Power Pack to charge a battery while it supplies DC current to your equipment.

## Environmentally Sealed

From the case and connectors to the electronics, Isco Power Packs withstand the harshest conditions.



**Model 913** Isco Part #60-1684-088



**Model 923** Isco Part #60-3004-190

## Recommended for:

Fixed Installations and/or sites with reliable AC power

**913**

**923**

	<b>913</b>	<b>923</b>
<b>Input Voltage</b>	120V AC 50 or 60 Hz	240V AC 50 or 60 Hz
<b>Output Voltage/Current</b>	12.5V DC @ 5A	12.5V DC @ 5A
<b>Connector Type</b>	2-pin Circular Amphenol	2-pin Circular Amphenol



# Battery-backed Power Packs

Isco Battery-backed Power Packs assure that your equipment will keep running if AC line voltage is interrupted.

## Battery Backup

The built-in 1.2 AHr nickel-cadmium battery runs your equipment if AC power is interrupted.

## Benchmark Reliability

Our field-proven design assures dependable operation for years to come.



**Model 914** Isco Part #60-3004-130



**Model 924** Isco Part #60-3004-160



## Recommended for:

- Fixed installations and/or sites with available AC power
- Sites with an unreliable AC power supply

**914**

**924**

	<b>914</b>	<b>924</b>
<b>Input Voltage</b>	120V AC 50 or 60 Hz	240V AC 50 or 60 Hz
<b>Output Voltage/Current</b>	12 - 14.5V DC 3A continuous, 5A maximum	12-14.5V DC 3A continuous, 5A maximum
<b>Connector Type</b>	2-pin Circular Amphenol	2-pin Circular Amphenol

# Chargers with Amphenol Connectors

## Economical and Durable Wall-mounts

A low-cost method for charging single Isco batteries. An impact-resistant case and solid-state construction make these chargers almost indestructible.

### Model 961 Isco Part #60-3004-059

This charger efficiently charges a single Isco Model 934 nickel-cadmium battery.



### Model 963 Isco Part #68-3004-198

Intended for use with Isco lead-acid batteries only. UL Listed.



## Automatic Temperature Compensation

Temperature-compensated, fan-cooled electronics automatically adjust to assure accurate charging.

## Rugged Design

A tough metal case and sturdy connectors deliver reliable performance and long life under demanding conditions.

### Model 965 Isco Part # 68-3000-965

Charges up to five batteries at one time. By simply flipping a switch, you can charge either nickel-cadmium or lead-acid batteries. UL Listed.



	961	963	965
Input Voltage	120V AC @ 60 Hz*	120V AC @ 60 Hz or 240V AC @ 50 Hz	120V AC @ 60 Hz or 240V AC @ 50 Hz
Output Voltage	14.5V DC @ 400 mA*	13.7V DC @ 720 mA	13V DC @ 400 mA 14.9V DC @ 800 mA
Connector Type	2-pin Circular Amphenol		

\* Contact factory for 240V AC 50 Hz input voltage.

## Clamp-on Style 12V Charger

### Fully Automatic

This unit constantly monitors 12 volt/6 Amp charge status, shuts down when charging is complete, and gives notification via LED.

### Polarity Protection

Special circuitry prevents charger or battery damage if improperly connected.

**12 Volt, 6 Amp** Isco Part #341-011-812  
Specifically compatible with Isco Model 948 Batteries. UL listed.



### 6 Amp Portable

### Recommended for :

Isco Model 948 or other 12-Volt lead-acid batteries

Input Voltage	120V AC/60 Hz*
Output Voltage	12V DC @ 6A

\*Contact factory for 240V AC 50 Hz.

## Solar-powered Chargers

Isco Solar-powered Chargers deliver energy in long-term applications where AC power isn't available. Units are selected from a variety of solar panel options to best suit your specific application. Contact Isco or your authorized Isco representative to determine the right size and style for your needs.

### Recommended for:

Remote and/or long-term Installations at sites without available AC power





# Charger/Battery Compatibility

Charger and Power Pack* Models	Appropriate Battery Model				
	Ni-Cad	Lead-Acid			
	934	945	946	947	948
<b>961 Wall-mount</b>	Recommended				
<b>963 Wall-mount</b>		†	Recommended	Requires Connector # 60-311-4015	
<b>965 Five-station</b>	Recommended	†	Recommended	Requires Connector # 60-311-4015	
<b>6-Amp Clamp-on</b>					Recommended
<b>913 Power Pack</b>	Recommended				
<b>923 Power Pack</b>	Recommended				

\* Isco Power Pack Models 913 and 923 include battery charging capability.

† Requires Lantern Battery Charger Adapter. Isco Part #60-2004-040.

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