

# RECHARGEABLE SENSOR BATTERY PACK

**ORDER CODE:** BP-100R  
**PRODUCT CATEGORY:** ACCESSORIES

## Keep Devices Powered Longer. Skip the Battery Replacement Routine.

### PRODUCT OVERVIEW

#### General Description

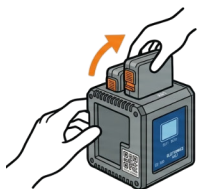
The BP-100R Rechargeable Battery Pack is a versatile power solution designed to keep your sensors running smoothly and reliably. It serves two key functions: it can significantly extend the battery life of your sensors, reducing downtime and maintenance, or it can act as a replaceable battery pack for devices where traditional batteries would otherwise need frequent changes.

By allowing quick removal and replacement of the entire pack, the BP-100R makes sensor maintenance simpler and faster, eliminating the hassle of individually swapping batteries. With this rechargeable solution, you can ensure continuous operation of your sensors while dramatically lowering battery replacement costs and effort.



### SIMPLIFYING SENSOR BATTERY REPLACEMENTS

#### STEP 1



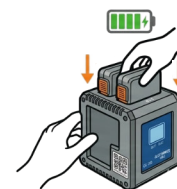
Remove the fully-charged BP-100R battery pack from the GC-100 battery charge hub.

#### STEP 2



Insert a fully-charged BP-100R battery pack into a compatible E4A sensor device.

#### STEP 3



Keep BP-100R packs inserted in the GC-100 hub to ensure they are fully charged and ready!



#### LESS TIME. LESS HASSLE. GREATER DEVICE RELIABILITY.

The BP-100R keeps your sensors running longer, and reduces maintenance - so your sensors stay powered, and you stay ahead.

# TECHNICAL SPECIFICATIONS

Power		Physical Characteristics	
Operating Voltage	4.2VDC to 2.6VDC	Housing Material	Flame Retardant Polycarbonate/ABS
Maximum Capacity	6800mAh	Physical Dimensions	Height: 105mm / 4.1inch Width: 69mm / 2.7inch Depth: 30.8mm / 1.2inch
Maximum Discharge Current	5.0A	Weight	205g
Maximum Charge Current	3.0A		
Self Discharge Rate	1.0% per month		
USB-C		Environmental	
Specification	USB Type C version 1.3	Operating Temperature	-10°C to 60°C (discharging) 0°C to 45°C (charging)
Port Role	Dual Role Port with Try.SNK	Storage Temperature	-20°C to 60°C (1 month) -20°C to 45°C (3 months) -20°C to 25°C (12 months)
Source (Output) Power	15W (5V 3A) maximum	Permissible Humidity	20% to 85% (operation and storage)
Sink (Input) Power	15W (5V 3A) maximum	Ingress Protection	IP30 (unmated) IP55 (mated with sensor)
Typical Charge Time	200 minutes with 15W adapter	Pollution Degree	2
		Altitude	2000 m

Protection	
Primary Under-Voltage Protection	2.6VDC for 125ms
Primary Over-Voltage Protection	4.25VDC for 1.25s
Secondary Over-Voltage Protection	4.35VDC for 6.5s, permanent fault
Primary Discharge Over-Current Protection	6.0A for 16ms
Primary Charge Over-Current Protection	3.6A for 8ms
Short Circuit Protection (Both Directions)	20.0A for 250µs
Secondary Over-Current Protection (Both Directions)	15.0A slow blow fuse, permanent fault
Over-Temperature Protection (Charge)	45°C to 50°C reduced power, >50°C cut-off
Over-Temperature Protection (Discharge)	>60°C cut-off
Under-Temperature Protection (Charge)	10°C to 0°C reduced power, <0°C cut-off

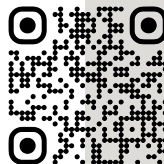
## OUR PARTNERS



## PRODUCT CERTIFICATIONS

Transportation UN/DOT 38.3

SCAN HERE!



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