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underwater technology

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Subsea Power Packs

Key Features

- Subsea ruggedised power pack
- 50m up to 3000m depth rated
- Integrated safety systems
- Primary and rechargeable packs
- External power switch

Applications

- Deep water to transition zone / surface operations.
- Power to 101G and 103G MiniPod (GNSS submersible receivers) and 107GS MiniPod (Satellite Relocation Device).
- Also available as standby power for third party systems, positioning beacons or subsea monitoring

Subsea Power Packs Overview

The BPK Series is a ruggedised subsea DC primary or rechargeable power pack designed to survive up to 3000m immersion.

Each BPK Series unit is fitted with resettable fuse protection, external switching and an automatic safety relief valve (PRV).

Technical Specification

MODEL TYPES

Part number	Survival depth	Diameter	Length	Weight air/water	Battery	Capacity *
BPK-101G	50m	125mm	600mm	9.0kg/5.5kg	18V Alkaline 21V Lithium**	30Ah 68Ah
BPK-101GR	50m	125mm	600mm	9.0kg/5.5kg	21V Recharge	21Ah
BPK-107GS	3000m	125mm	600mm	16.0kg/12.0kg	21V Recharge	21Ah

*Capacity at full charge or new packs @ 20°C

** BPK-101G Supplied with Alkaline cells as standard. Internal cell chemistry switch provided.

PHYSICAL SPECIFICATION

Part number	Power out connector	Charge connector	Chassis material	Temperature limit
BPK-101G	MC-BH-2F	N/A	White acetyl	85°C
BPK-101GR	MC-BH-2F	MC-BH-10M	White acetyl	70°C
BPK-107GS	MC-BH-2F	MC-BH-10M	Hard anodised aluminium	70°C

ELECTRICAL APPLICATION (TYPICAL)

Part number	Survival depth	Application	Charger	Battery cell type
BPK-101G	50m	18VDC / 21VDC MiniPod power	N/A	Alkaline
BPK-101GR	50m	Rechargeable 18VDC MiniPod power	1083 Multi-Charger Part number CHA-1083	NiMH
BPK-107GS	3000m	Rechargeable 18VDC MiniPod power	1083 Multi-Charger Part number CHA-1083	NiMH

SUPPLIED WITH INTERCONNECT CABLES

BPK-101G and BPK-101GR	Length 3m standard. Part number BPK-101G-4000
BPK-107GS	Length 5m standard. Part number BPK-107GS-4000

SAFETY AND MANAGEMENT

- Automatic Pressure Relief Valve (PRV)
- External on/off switch

OPTIONS

- BPK-101G Lithium cell option available for longer deployment/operational life

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Due to continual product improvement specification information may be subject to change without notice.
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