ACKCIO BATTERY PACK

Code : N645



- The Ackcio BEAM-BP is an external battery pack designed to extend the operational lifetime of Ackcio BEAM wireless nodes in remote or long-term monitoring installations.
- Developed for harsh environmental conditions, the BEAM-BP enables continuous and autonomous power supply where external energy sources are unavailable or impractical.
- The pack accommodates up to eight Li-$SOCl_2$ D-cell batteries (3.6 V nominal, 19 Ah recommended capacity) arranged in pairs, ensuring high energy density and stable output voltage under varying load conditions.
- Featuring IP67-rated protection and a wide operating temperature range from −40 °C to +80 °C, the BEAM-BP is engineered for outdoor and underground applications.
- The system includes a dedicated Battery Adaptor that regulates voltage output (6 V – 24 V input range) for reliable connection to compatible Ackcio BEAM nodes.
- Output circuits are fuse-protected to prevent overload, ensuring long-term safety and performance in demanding environments.

- The BEAM-BP currently supports Ackcio BEAM-DG Digital Nodes, with support for additional BEAM models under development.
- It can be easily mounted alongside Ackcio nodes using standard clamps or brackets for compact, maintenance-friendly installation.

TECHNICAL SPECIFICATIONS

- Model: BEAM-BP (with Battery Adaptor)
- Battery Configuration: Up to 8 × D-cell Li-$SOCl_2$ 3.6 V batteries (pairs: 2, 4, 6 or 8)
- Recommended Capacity: 19 Ah per cell
- Power Output (Battery Pack): 7.2 V max, 1 A max (fuse protected @ 2 A)
- Power Output (Adaptor): 3.8 V max, 400 mA max
- Input (Adaptor): 6 V – 24 V DC
- Input Wiring: Screw clamp terminals (0.2 – 1.5 mm^2 / 24 – 16 AWG)
- Protection: Fuse protection, reverse polarity protection, IP67 enclosure
- Operating Temperature: −40 °C to +80 °C
- Material: Die-cast aluminium housing
- Power Source: Non-rechargeable battery pack (no external supply required)
- Compatibility: Ackcio BEAM-DG Digital Nodes (current), future BEAM node support under development

ORDERING INFORMATION

To be added soon ...

OTHER PHOTOS


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