

TRACKSAFE® - EcoPower



SPECIFICATION:

- Dimensions (mm): 2070 x 700 x 700 (HxWxD)
- Mounting Format: Configurable (BRS-SM 440 and/or 19 Inch)
- Internal Frame Height: 1589mm or 37U
- Estimated Weight (Kg): 285kg
- Material: 1.4003 Stainless Steel
- Finish: Polyester Powder Coat
- Colour: Telegrey – RAL7045
- Solar Mitigation System: Lemur AG15
- IP per EN 60529: IP54
- Security Rating: LPS1175 Issue 8 Level 2

SYSTEM BENEFITS:

- Modular methanol fuel cell backup power solution
- Available in 42W, 82W and 125W output variants
- Single-bay and double-bay enclosure configurations
- Supports 2, 4 or 6 fuel cartridge arrangements
- Extended autonomous operation with automatic fuel management
- Compact outdoor-ready design for remote infrastructure sites
- Integrated battery charging and power management
- Optional plinth-mounted configuration available
- Remote monitoring and diagnostics capability

A pre-configured, self-sufficient power solution designed for reliable operation in demanding rail environments.

Tracksafe® EcoPower delivers a low-maintenance, easy-to-install, and sustainable alternative to traditional trackside power.

Ideal for remote and off-grid trackside locations, TrackSafe® EcoPower supports signalling, telecoms, and monitoring systems where reliable power is critical. It is suited to low-maintenance sites and sustainable alternatives to diesel-powered solutions.

Example Application: Based on a continuous 50W load.

Fuel Cartridges	Autonomous Runtime*
1 × M28	26 Days
2 × M28	52 Days
4 × M28	104 Days
6 × M28	156 Days

FEATURES:

- Profile Adjustability: 19Inch Depth Adjustable
- Doors & Accessibility: Front and Rear Doors
- Handle Type: Hasp & Staple
- Locking System: 3-Point Locking
- Lock Type: Padlock (Not Included)
- Hinge: Cast S/S 3 point lift off hinges
- Door Stays: Push button slide up to 160°
- Plinth: Optional, for siting on GRP platform or concrete pad
- Document Wallet: A3, door mounted
- Laptop Shelf: Hinged, door mounted
- Cable Entry Points: Modular removable cable entry gland plates
- Anti Jemmy: Hinge side internal security brackets
- Lifting Brackets: M16 eyebolt mounting positions
- Earthing: M16 brass earth stud + panels chain earth bonded
- Roof: Peaked, fully removable
- Cooling System: Natural convection
- Heat Dissipation Capacity: 500W to ΔT 8°C
- Filter: Maintainable filter media
- Construction: Dual skin
- Frame: Free standing 19 Inch internal frames allows for panel removal and replacement without equipment disruption
- EFOY Fuel Cell System Integration Kit
- Concrete Base: Compatible with BRS-SC 32

FUEL CELL SYSTEM

- EFOY Fuel Cell Technology
- 42W / 82W / 125W Models
- Single or Double Bay Configuration
- 2, 4 or 6 Fuel Cartridges
- Automatic Fuel Changeover
- Remote Monitoring Compatible
- Integrated Control Interface
- Optional Plinth Mounting

PERFORMANCE

- Up to 125W Continuous Output
- Autonomous Long-Duration Operation
- Silent Running
- Low Maintenance Requirements
- High System Availability
- Reduced Site Visits
- Environmentally Friendly Operation
- Suitable for Remote Critical Infrastructure

PART ID OPTIONS & VARIANTS

MA003678 – 42W – 2 – P
 Type Code - Performance Class - Fuel Cartridge Qty - Plinth

Part Number	Description
MA003678-42W-2	Single Bay Tracksafe® EcoPower 42W with 2 Fuel Cartridges
MA003678-42W-2-P	Single Bay Tracksafe® EcoPower 42W with 2 Fuel Cartridges + Plinth
MA003678-82W-2	Single Bay Tracksafe® EcoPower 82W with 2 Fuel Cartridges
MA003678-82W-2-P	Single Bay Tracksafe® EcoPower 82W with 2 Fuel Cartridges + Plinth
MA003678-125W-2	Single Bay Tracksafe® EcoPower 125W with 2 Fuel Cartridges
MA003678-125W-2-P	Single Bay Tracksafe® EcoPower 125W with 2 Fuel Cartridges + Plinth
MA003679-42W-2	Double Bay Tracksafe® EcoPower 42W with 2 Fuel Cartridges
MA003679-42W-2-P	Double Bay Tracksafe® EcoPower 42W with 2 Fuel Cartridges + Plinth
MA003679-42W-4	Double Bay Tracksafe® EcoPower 42W with 4 Fuel Cartridges
MA003679-42W-4-P	Double Bay Tracksafe® EcoPower 42W with 4 Fuel Cartridges + Plinth
MA003679-42W-6	Double Bay Tracksafe® EcoPower 42W with 6 Fuel Cartridges
MA003679-42W-6-P	Double Bay Tracksafe® EcoPower 42W with 6 Fuel Cartridges + Plinth
MA003679-82W-2	Double Bay Tracksafe® EcoPower 82W with 2 Fuel Cartridges
MA003679-82W-2-P	Double Bay Tracksafe® EcoPower 82W with 2 Fuel Cartridges + Plinth
MA003679-82W-4	Double Bay Tracksafe® EcoPower 82W with 4 Fuel Cartridges
MA003679-82W-4-P	Double Bay Tracksafe® EcoPower 82W with 4 Fuel Cartridges + Plinth
MA003679-82W-6	Double Bay Tracksafe® EcoPower 82W with 6 Fuel Cartridges
MA003679-82W-6-P	Double Bay Tracksafe® EcoPower 82W with 6 Fuel Cartridges + Plinth
MA003679-125W-2	Double Bay Tracksafe® EcoPower 125W with 2 Fuel Cartridges
MA003679-125W-2-P	Double Bay Tracksafe® EcoPower 125W with 2 Fuel Cartridges + Plinth
MA003679-125W-4	Double Bay Tracksafe® EcoPower 125W with 4 Fuel Cartridges
MA003679-125W-4-P	Double Bay Tracksafe® EcoPower 125W with 4 Fuel Cartridges + Plinth
MA003679-125W-6	Double Bay Tracksafe® EcoPower 125W with 6 Fuel Cartridges
MA003679-125W-6-P	Double Bay Tracksafe® EcoPower 125W with 6 Fuel Cartridges + Plinth