



Greenplate Solar BBQ System
Installed Onto Portable Slab

Greenplate BBQs - Mining Applications

Overview

Greenplate BBQs have emerged as an innovative solution for enhancing the quality of life in Australian mining camps. Their portable, solar-powered electric BBQ units offer a sustainable, safe, and efficient alternative to traditional gas-powered cooking methods, addressing the unique challenges of remote mining operations.

Understanding the transient nature of mining camps, Greenplate offers fully assembled stainless steel BBQ cabinets designed for durability and ease of installation. These units can be effortlessly transported and set up on-site, ensuring that mining personnel have immediate access to quality cooking facilities without the logistical complexities associated with constructing permanent structures.

Off - Grid (Solar Powered) Cooking

Greenplate's Solar Standalone Off-Grid BBQs operate entirely on solar energy, eliminating the need for mains power or fuel deliveries. Equipped with monocrystalline or thin-film flexible solar panels mounted on shelter roofs, these units harness renewable energy to power both cooking and lighting needs. This not only reduces operational costs but also aligns with environmental sustainability goals by minimizing carbon emissions.

Patented Energy-Efficient Heating Technology

A standout feature of Greenplate BBQs is their patented 1.8kW heating element, which operates on either a single 10AMP circuit or a 24V Power Supply. This design requires less power than equivalent BBQs on the market, making them highly energy-efficient. The system includes a digital temperature control module with an adjustable cooking range of 50°C to 320°C and a 28-minute cooking cycle, ensuring consistent and efficient cooking performance.

Key Features and Benefits for Mining Operations

Portable & Easy Installation

- Complete kit system (BBQ, shelter, seating) can be lifted onto site fully assembled.
- Stainless steel construction for durability in harsh environments.

Cost Efficiency

- Lower ongoing costs, compared to traditional gas BBQs.
- Minimal maintenance requirements ensure long-term savings for mining operations.
- Uses less than 10 amps, consuming less power than any equivalent BBQ on the market.

Safety & Reliability

- Electric operation removes gas-related risks (leaks, explosions).
- Safety extra-low voltage design enhances protection in hazardous environments.
- Patented Low-Power Heating Technology.

Solar-Powered & Energy Efficient

- Solar panels on shelter roofs power BBQs and lighting, reducing reliance on external power sources.
- Off-grid operation eliminates fuel transport and electricity costs.

Flexible Energy Options

- Solar BBQs: 100% solar-powered, reducing the carbon footprint of the institution.
- Electric BBQs: Plug into 10A mains power for consistent and reliable operation.
- Both options offer durable and low-maintenance solutions tailored to the institution's needs.



Enhanced Safety with Electric Operation

Safety is paramount in mining environments. Greenplate's electric BBQs mitigate risks associated with gas-powered alternatives, such as leaks or explosions. Operating on safety extra-low voltage, these units ensure maximum operational safety, making them particularly suitable for high-risk areas like mining camps.

For more information on how Greenplate® BBQs can benefit your mining operations, visit www.greenplate.com.au