



BCH-275-200

Mobile Fast Charger

for clean and sustainable energy

TECHNICAL SPECIFICATIONS

BCH-275-200

Mobile Fast Charger (AC and DC)



What is the BCH-275-200?

A rechargeable Energy Storage System, designed to store and seamlessly distribute instant power to electric vehicles, electric drive equipment and industrial electrical loads. The mobile fast charger delivers the power to work anywhere, providing access to environments where there are challenges with grid availability and stability. Capable of providing AC and DC power simultaneously using the 2 fast charging plugs, with a maximum total power output of 275kW. It can be installed on a trailer and towed by conventional vehicles.

Maximise your renewable potential and experience the value of uninterrupted power!

What can it power?

It is best suited to power mobile scenarios, such as EV vehicles and battery powered construction machines. Equipment with a CCS2 input port with intermittent or high current load characteristics can be powered by our mobile fast charger. Other common applications include remote area communities, construction site base loads, electrified plant such as cranes and earthmoving equipment.

How does it work?

This modular solution includes batteries, power conversion system (PCS), control system, battery cooling, and a fire suppression system. It can be connected to external PV power and grid power. Environmentally friendly, no emissions and low noise. Reducing grid dependency, improving power supply quality and ensuring the power consumption of emergency loads. Furthermore, charging at off-peak times effectively reduces charging costs. Real time intelligent monitoring of operational data can be achieved through the touch screen.

Why choose the BCH-275-200?



Cost Saving

Reduces 80% of fuel costs



Eco-friendly

100% electricity, no diesel needed



Quiet

Suitable for residential and noise sensitive areas



Fast Charging

High power input



Zero Downtime

Constant uptime via ready to deliver stored energy



Plug-and-play system

Industry standard connection points



Hybrid Power Input

Rechargeable by the Grid, PV, and Diesel Generators



Built-in fire-safety system

Aerosol fire suppression system with heat, smoke, and gas detection

SPECIFICATIONS

Model	BCH-275-200	
2x Charging Plugs	Charging Power	150 kW
	Voltage	DC1000V
	Type	CCS2
Nominal Energy Storage Capacity	200 kWh	
Output	AC	125 kW (380~415Vac)
	DC	150 kW
Max, Power Output	125 kW AC + 150 kW DC simultaneously - Total 275 kW	
Input	AC	80 kW (380~415Vac)
	DC	150 kW
Charging Options	Grid, PV, Generator	
Dimensions (Length x Width x Height)	2250 x 1450 x 1800mm without trailer	
Weight	2800 kg without trailer - 3450 kg with optional trailer	
Operating Temperature Range	-20 ~ 55°C (>45°C derating)	
Ingress Protection	IP55	
Certifications	UL, IEC, IEE, EN, VDE	
Communication	CAN / RS485 / Ethernet / 5G Wireless	
Cell Type	LFP (LiFePO ₄)	
Expected Lifetime	> 10 years	
Cooling System	HVAC	
Fire Protection System	Aerosol Fire Suppression	





TUTT BRYANT GO GREEN

ABOUT

Tutt Bryant Go Green aims to introduce innovative and sustainable products, services, and solutions to the domestic market by tapping into the vast and diverse network of global partners and suppliers that have been meticulously assembled by Tutt Bryant over the years.

It is also Tutt Bryant's goal to develop home-grown solutions that are optimised to Australia's unique conditions by utilising in-house capabilities and collaborating with local enterprises.

Go Green provides a reliable national approach, aligned with our customers sustainability targets including:

- Energy Efficiency
- Plant Electrification
- Low Carbon Fuels and Energy Sources

Our Approach

The Tutt Bryant Go Green initiative seeks to increase the sustainable options available in Tutt Bryant's portfolio through:

- Working with our committed OEM partners
- Broad collaboration with a multi divisional focus
- Leveraging from our depth in resources
- Reliable National approach
- Financing options
- Balance of Plant capability
- Testing facilities
- Aligning growth with our customers



TUTT BRYANT POWER PRODUCTS & SERVICES LOCATIONS



NSW

SYDNEY

6-8 Ferngrove Place
South Granville 2142
02 9780 7200

QLD

BRISBANE

539 Boundary Road
Archerfield 4108
07 3373 6400

SA

ADELAIDE

908 Main North Road
Mawson Lakes 5095
08 8162 0900

WA

PERTH

50 Great Eastern Highway
South Guildford 6055
08 9478 0600

BUNBURY

6-10 Hawkins Street
East Bunbury 6230
08 9796 8700

VIC

DANDENONG

80-86 Frankston-Dandenong Road
Dandenong 3175
03 9554 0300

EPPING

1/189 O'Herns Road
Epping 3076
03 9554 0380

1300 658 888

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