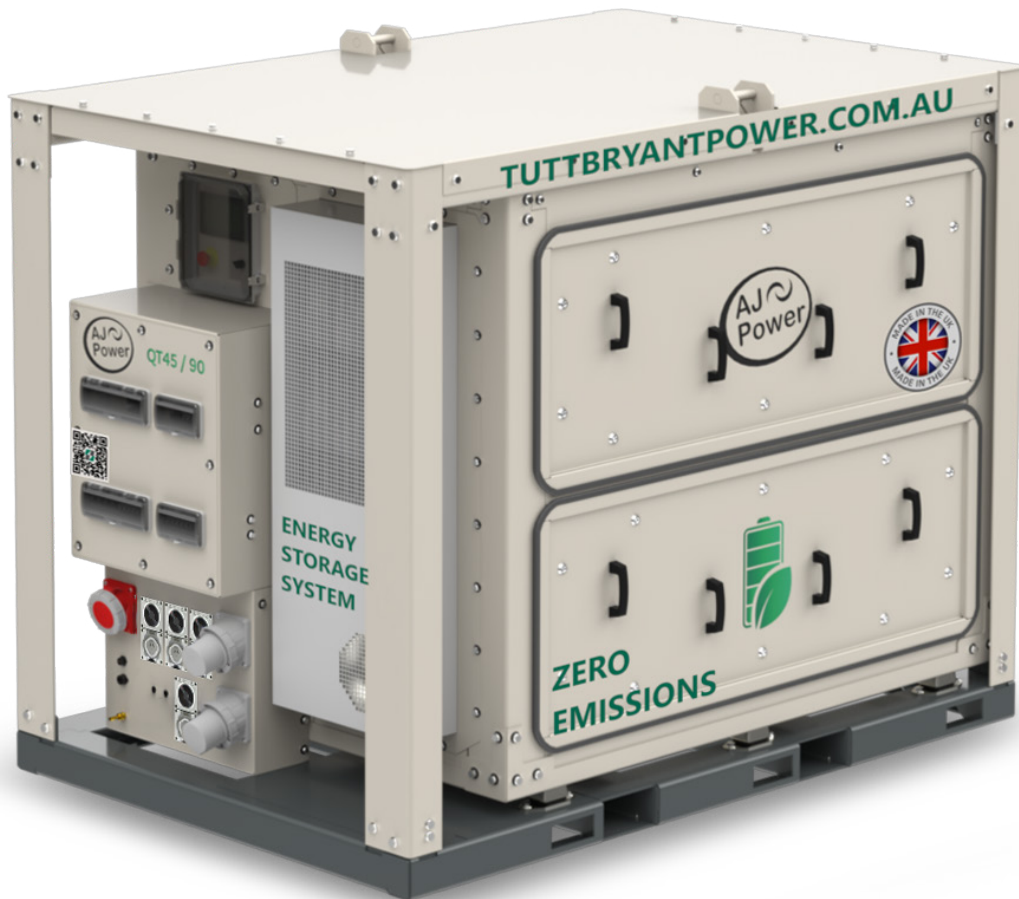




QT 45/90

Battery Energy Storage System (BESS)

for clean and sustainable energy

TECHNICAL SPECIFICATIONS



QT 45/90

Battery Energy Storage System (BESS)



What is the QT 45/90?

A rechargeable Battery Energy Storage System (BESS), designed to store and seamlessly distribute instant power to multiple commercial and industrial electrical loads. The BESS delivers the power to work anywhere, providing access to environments where there are challenges with grid availability and stability. Supports charging from renewables, grid or power generators.

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

What can it power?

It is best suited to reduce power generator run time and fuel consumption, effectively lowering operating cost and providing automatic and immediate support for motor starting, reducing the need for oversized generators. Ideal to power sites requiring consistent or variable power demand. Other common applications include remote area communities, construction site base loads and grid stabilization applications.

How does it work?

This modular solution includes batteries, solar charger, control system, and battery cooling. It will perform load sharing with the synchronized connection of a diesel generator, supplying extra power in critical moments. 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 with the remote interface.

Why choose the QT 45/90?



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 Mode

Synchronisable with other BESS, the Grid, and Diesel Generators for higher output



Heavy duty canopy

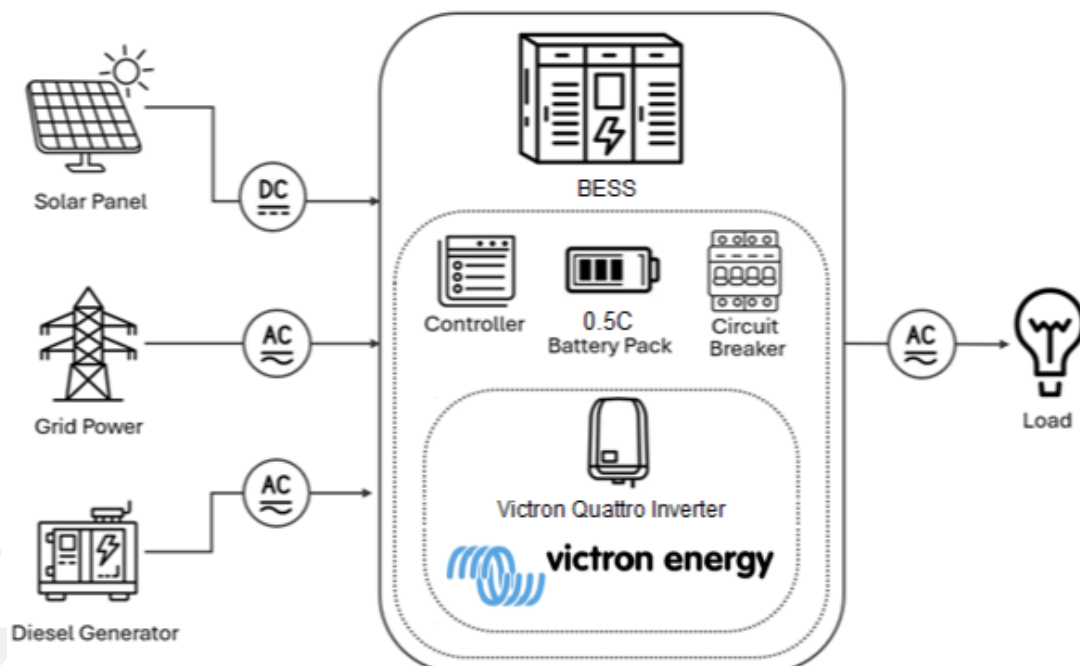
Includes anti-vibration mounts, fork pockets, and two point lift, ensuring rental application suitability



Specifications

ITEM	
Model	QT 45/90
Nominal Rated Output Power @ 25°C	45 kW
Nominal Rated Output Voltage	230 / 400 Vac @ 50 Hz
Nominal Energy Storage Capacity	90 kWh
Max. Output Current (AC)	125A (boost mode)
Plug Inlets	2 x 125A Three Phase 3-Pin*
Socket Outlets (each socket with circuit breaker protection)	1 x 125A Three Phase 5-Pin 3 x 32A Single Phase 3-Pin (IP67)*
Dimensions (L x W x H)	2251 x 1500 x 1888 mm
Weight	2505kg
Operating Temperature Range	-20 ~ 60 °C (discharging)
Communication	VRM via LAN / Wifi / 5G Wireless
Ingress Protection	IP66
Cooling System	HVAC
Solar Charger	Victron Quattro Inverter/Charger 48/15000/200-100/100, Max PV Power 4kW @ 48V, MC4 connectors
Auxiliary Supply Outlet 230V@20A	32A Single Phase 3-Pin (IP67)
Battery Type	0.5C
Expected Lifetime	> 10 years
Battery System Voltage	48 VDC

*Alternative socket options or power locks available on request.





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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