

# Battery Box Ultra

Ultra 200 • Ultra 400 • Ultra 600



## The Future of Energy, Contained.

### Hybrid power intelligence for demanding sites.

The Battery Box Ultra Series is Blue Diamond's flagship mobile BESS platform — engineered in Australia and deployed across mining, civil, construction and remote industrial operations. Designed for environments where reliability, safety and efficiency matter most, the Ultra Series delivers high-output hybrid power with advanced blade-cell safety architecture, unified hybrid

control and rapid 1C recharge performance. Across hundreds of deployments, the Ultra Series has helped sites reduce generator runtime by 85–90%\*, cut fuel use, improve WHS outcomes, meet ESG requirements and achieve smoother, cleaner, more reliable power delivery.

\*Scenario dependent.

As part of Blue Diamond's vertically integrated Net Zero platform, each Ultra model integrates seamlessly with hybrid generators, deployable solar and the ONE Intelligent Energy™ digital ecosystem — giving operators complete site visibility, automation and control.



## The Ultra Series — At a Glance

**Ultra 200** 270 kW, 220 kWh, ~0.8 hr recharge, 2.4×2.15×2.2 m

**Ultra 400** 405 kW, 440 kWh, ~1.09 hr recharge, 3.0×2.3×2.4 m

**Ultra 600** 540 kW, 660 kWh, ~1.22 hr recharge, 6.0×2.4×2.6 m



## Category-Leading Technical Advantages

Vertically Integrated Hybrid Platform

Unified Hybrid Control

Simultaneous Charge & Discharge

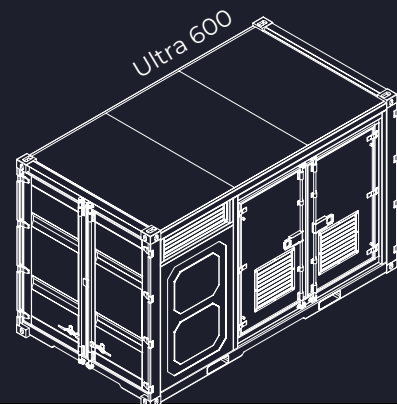
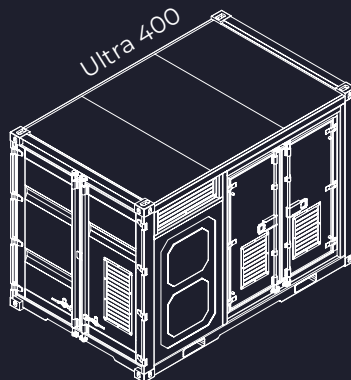
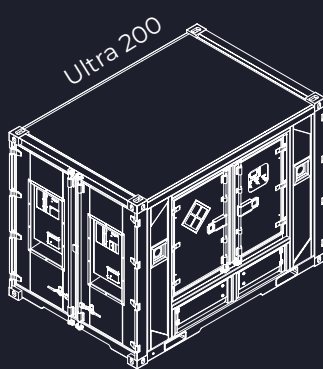
Blade-Cell LFP Architecture with Dual Suppression

Near-Silent Operation —  
Up to 30× Quieter Than Diesel

Rapid 1C Recharge Across All Models

Engineered for Harsh Australian Conditions

Digital-First Operations via ONE Intelligent Energy™ + Overwatch



## Real-World Benefits

Up to 85–90%  
Less Generator  
Runtime\*

70–90% CO  
Reduction

Safer  
Worksites

Cleaner, More  
Stable Power

Immediate  
Deployment

Automated  
Reporting &  
Governance

## Model Profiles

### Ultra 200

Compact hybrid power  
for confined worksites.

### Ultra 400

Mid-range workhorse for  
construction and civil.

### Ultra 600

Utility-scale hybrid  
power for Tier-1 mining.

## Applications

Mining, construction, remote microgrids,  
compounds, cranes, pumps, renewable  
smoothing, night works, generator  
right-sizing.

## Real Customer Results

### Holcim

Saved 73,000L diesel annually.

### Kapitol Group

Powered cranes from 63A grid, zero diesel.

### Rob Carr

Reduced generator footprint by 90%.

## Why Blue Diamond

Blue Diamond Machinery is a vertically integrated clean-power technology company. We engineer, design and build complete hybrid energy systems in Australia — uniting battery storage, solar, hydrogen and advanced control into one unified platform.

With 300+ systems deployed nationwide, we deliver:

- Australian-engineered reliability
- National engineering and service support
- Lower project risk and faster innovation through full in house system engineering
- Full lifecycle accountability
- Measurable reductions in fuel, emissions and operating cost



# Battery Box Ultra 200

## Real-World Benefits for Demanding Operations

Up to 85–90% Less Generator Runtime\*

Meaningful Emissions Reductions

Improved Worksite Safety

Cleaner, More Stable Power Delivery

Fast Deployment, Immediate Impact

Actionable Operational Visibility

\*Scenario dependent.

## Technical Specifications

Power Output (AC): 270 kW

Energy Capacity (DC): 220 kWh

Charge Power: 270 kW

Charge Time @1C: 0.81 hours

Nominal Battery Voltage: 832 V

Cycle Life: 6,000–14,000 cycles

Dimensions: 2.4 × 2.15 × 2.2 m

Weight: ~5,500 kg

Fire Suppression: Blade-cell architecture + aerosol

Ingress Protection: IP67 battery, IP55+ system

Connectivity: ONE Intelligent Energy™

Certifications: IEC 62619, UL9540A, etc.

## Applications

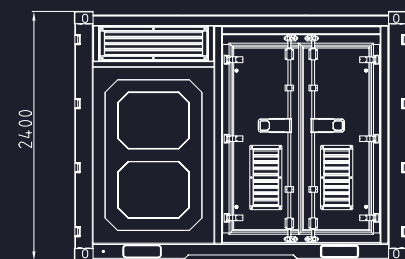
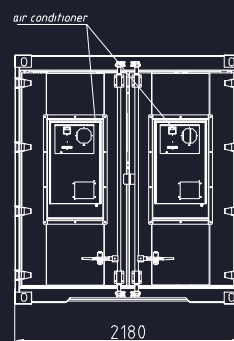
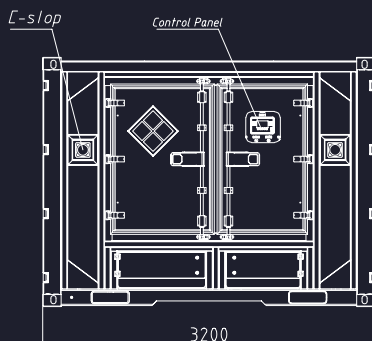
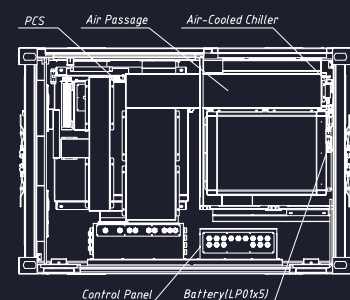
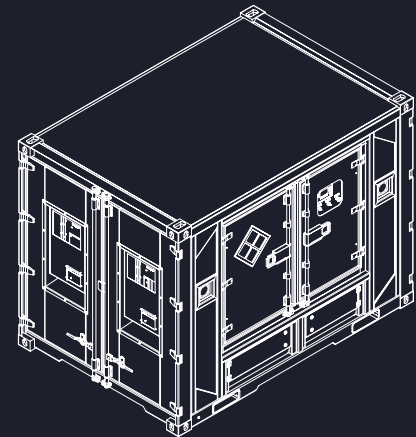
Hybridising small-medium gensets

Cranes, pumps, compounds, facilities

Remote camps and microgrids

Renewable smoothing

Silent/Diesel-off operation



# Battery Box Ultra 400

## Real-World Benefits for Demanding Operations

- Up to 85–90% Less Generator Runtime\*
- Meaningful Emissions Reductions
- Improved Worksite Safety
- Cleaner, More Stable Power Delivery
- Fast Deployment, Immediate Impact
- Actionable Operational Visibility

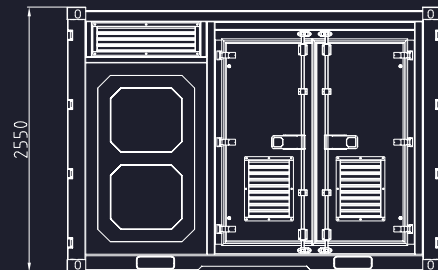
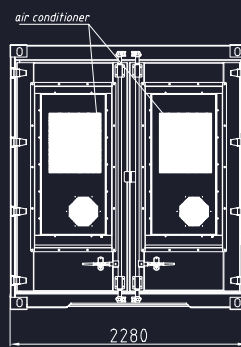
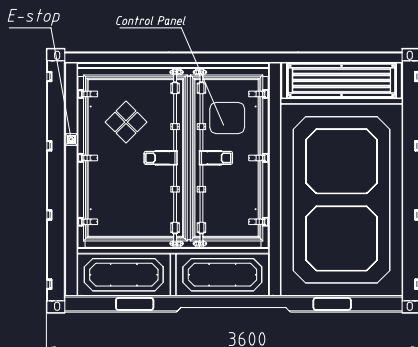
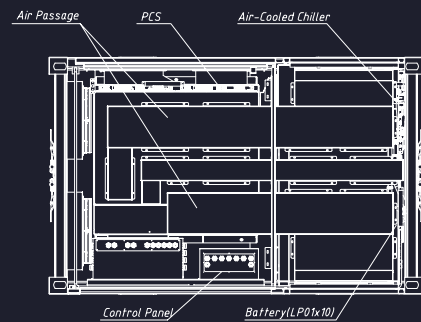
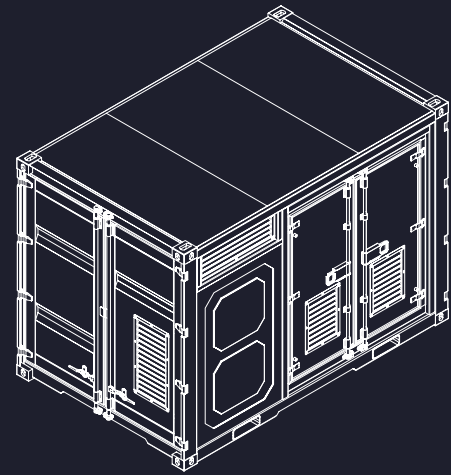
\*Scenario dependent.

## Technical Specifications

Continuous Output:	405 kW
Energy Capacity (DC):	440 kWh
Charge Power:	405 kW
Recharge Time @1C:	~1.09 hours
Nominal Voltage:	832 V
Dimensions:	3.0 × 2.3 × 2.4 m
Weight:	~9,500 kg
Ingress Protection:	IP67 (battery), IP55+ (system)
Thermal Management:	Liquid cooling + forced convection
Fire Safety:	Blade-cell architecture, aerosol suppression
Connectivity:	ONE Intelligent Energy™
Warranty:	5 years

## Applications

- Hybridising small-medium gensets
- Cranes, pumps, compounds, facilities
- Remote camps and microgrids
- Renewable smoothing
- Silent/Diesel-off operation



# Battery Box Ultra 600

## Real-World Benefits for Demanding Operations

Up to 85–90% Less Generator Runtime\*

Meaningful Emissions Reductions

Improved Worksite Safety

Cleaner, More Stable Power Delivery

Fast Deployment, Immediate Impact

Actionable Operational Visibility

\*Scenario dependent.

## Applications

Hybridising small–medium gensets

Cranes, pumps, compounds, facilities

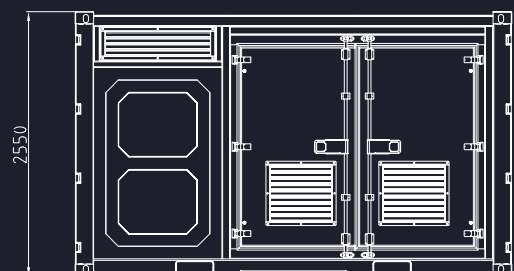
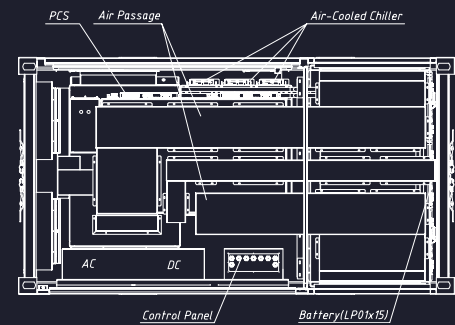
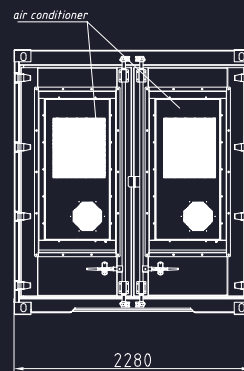
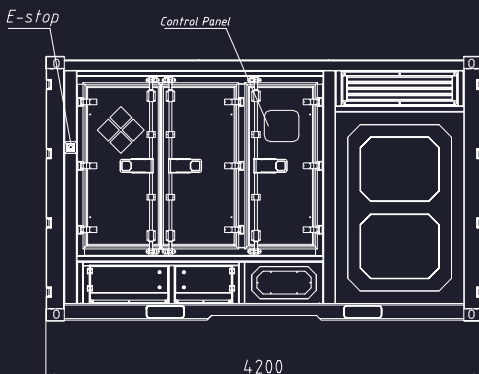
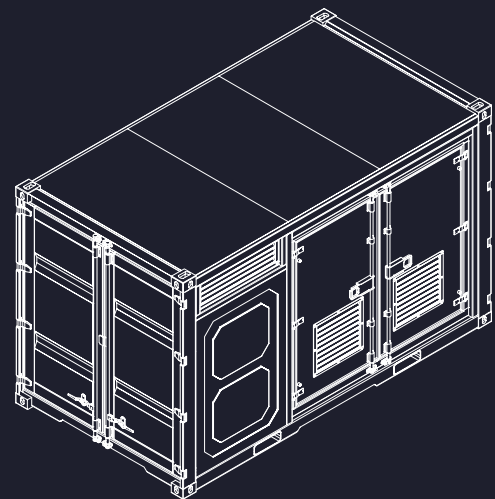
Remote camps and microgrids

Renewable smoothing

Silent/Diesel-off operation

## Technical Specifications

Power:	540 kW
Energy:	660 kWh
Cycle Life:	6,000–14,000 cycles
Dimensions:	6.0 × 2.4 × 2.6 m
Weight:	~14,500 kg
Protection:	IP67 battery, IP55+ system
Connectivity:	ONE Intelligent Energy™



✉ info@bluedm.com.au

☎ 1300 998 647

🌐 www.bluedm.com.au