

Dumarey Green Power

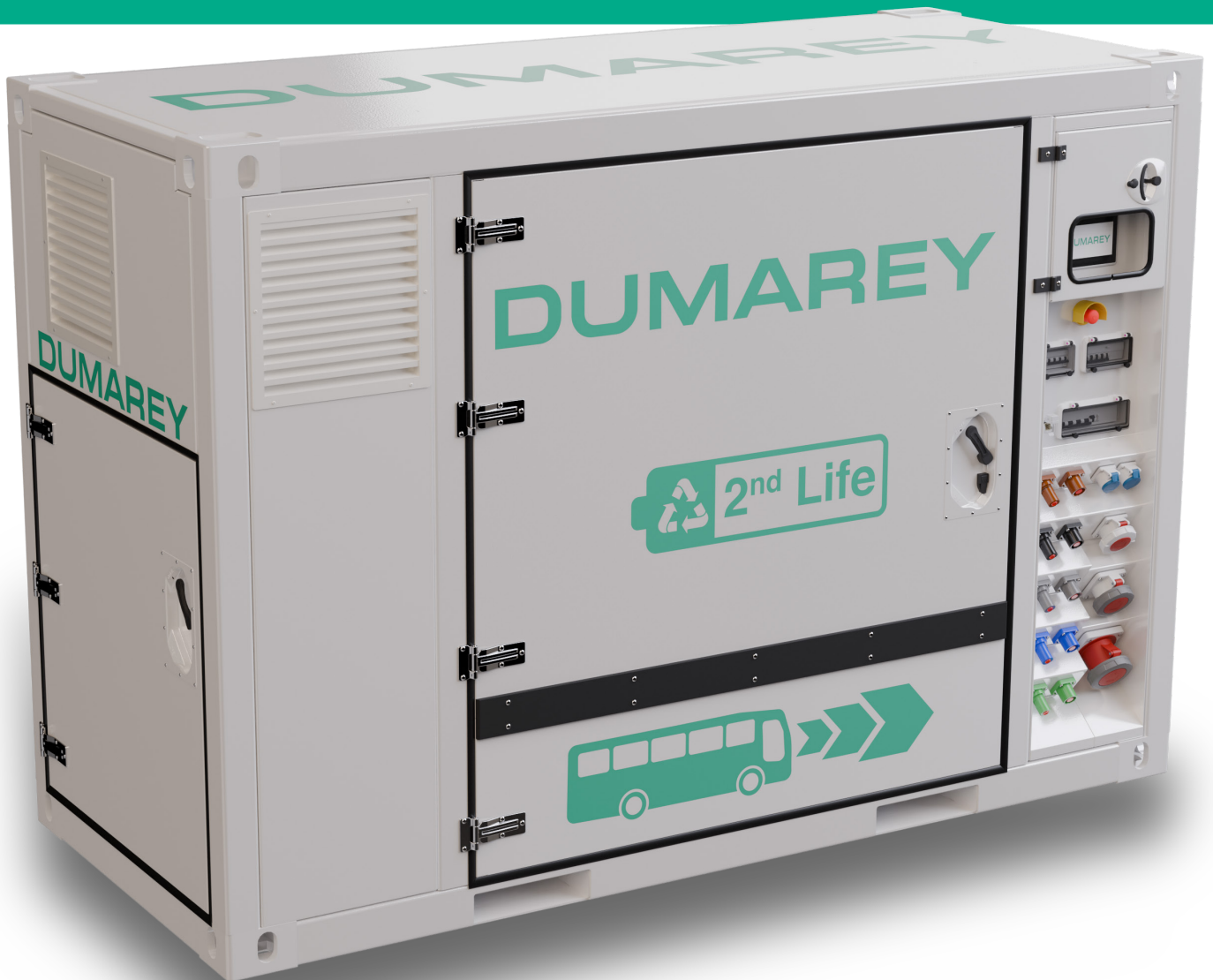
PowerSkid Specification



Energy stored, power delivered,
savings made

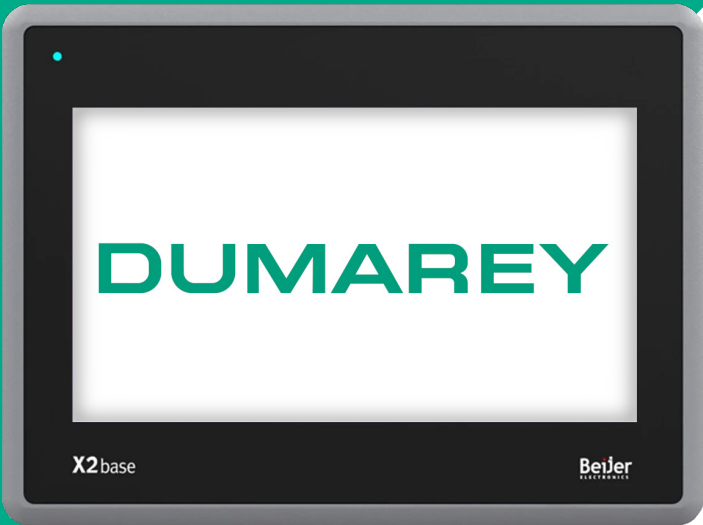
Features

- Second life battery energy storage system
- Multiple power options
 - 100 kW continuous with peaks up to 170kW
 - 130kW continuous with peaks up to 200kW
 - 160kW continuous with peaks up to 240kW
- Enables generator downsizing with subsequent fuel and CO₂ savings
- 400A Powerlock source and drain
- 125A + 63A + 32A 3ph outputs
- 2 x 16A 1ph outputs
- 16A 1ph storage connection
- DC link connections
- Charge from generator or mains. Island mode operation*
- Touchscreen controls with wizard setup
- Remote control and telematics platform
- Fork pockets and 4-point lift
- In-built fire suppression system with external hose connections
- UKCA & CE approvals



* Island mode - Charge and use with no infeed. Ideal for remote work and events

Control Panel

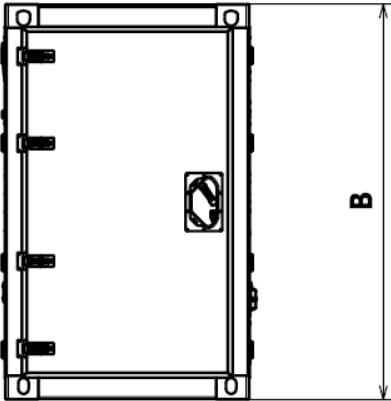
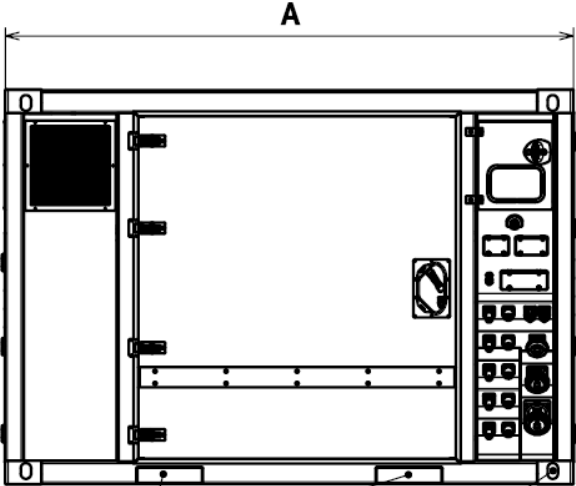


- 7" display complete with a custom interface to provide intuitive and robust operation
- Wizard based set-up for intuitive configuration
- Power, voltage and frequency data for energy storage system
- Battery parameters: State of charge (%), temperature etc
- Event log management and diagnostics
- Alarms and alerts
- Integrated start/stop based on schedule timing
- Communications: Cloud based telemetry tool using on board 3G/4G router

Dimensions & Weight



| PowerSkid | |
|-----------|---------|
| A | 2800mm |
| B | 1950mm |
| C | 1200mm |
| Mass | 4,500kg |



FORK POCKETS DRAG POINTS

Applications

On Grid

PowerSkid can connect to grid connection and boost it when needed for site peaks.

Before PowerSkid - Grid is insufficient to power site peaks so generator is used.

After PowerSkid - PowerSkid charges when site load is low, then adds power to the grid peaks when needed.



Off-Grid

PowerSkid can form an island grid when no mains connection is available. System can be implemented with generator in a hybrid system.

Before PowerSkid - Generator runs 24/7 to power site, even when on very low loads.

After PowerSkid - Generator is now controlled by the powerskid and runs less than 1/3 of the time.



Specification

| Parameter | Value | Comment |
|-------------------------------|--|---|
| Rated Power | 100 kW / 130 kW / 160 kW | Continuous (at 25°C) |
| Overload Power | 140 kW / 170 kW / 200kW | Maximum 5 minutes every 30 minutes (at 25°C) |
| Peak Power | 170 kW / 200 kW / 240 kW | Maximum 10 seconds every 60 minutes (at 25°C) |
| Rated Battery Capacity (BOL) | 240 kWh | At DC-side |
| Usable Battery Capacity (BOL) | 215 kWh | At AC-side |
| Minimum Capacity (EOL) | 164 kWh | |
| Nominal Grid Voltage | 400 - 415 VAC | UAC nom |
| Nominal Grid Voltage Range | ±10 % of UAC nom | |
| Frequency | 50 Hz | ±5 Hz |
| Grid Configuration (On-Grid) | 3 ~ 400Vac (phase to phase) + Neutral + PE | TN Grid |
| Grid Configuration (Off-Grid) | 3 ~ 400Vac (phase to phase) + Neutral & PE coupled | TN-S Grid |
| Max. Short Circuit Level | 24 kA | |
| Ambient Temperature | -10°C to +40°C | |