

# REVOLVE

AFFORDABLE AC ENERGY STORAGE SYSTEM FOR:

- Peak demand charge reduction
- Load shifting, solar shifting
- Reduced diesel usage in off grid or fringe of grid

**ReVolve®** is an outdoor rated 3-phase 120kWh industrial battery. Its integrated AC-coupled design enables simple and rapid installation offering flexible scaling options from 120kWh to 2.4MWh by combining multiple units depending on customer requirements.

- REDUCED CELL COST
- REDUCED INVERTER COST
- REDUCED INSTALLATION COST

Relectrify creates affordable, innovative, and sustainable energy storage by combining high-quality second-life cells from leading electric vehicles using a world-first integrated inverter that optimises every battery cell.



## ELECTRICAL SPECIFICATIONS

<b>AC Voltage</b>	400 or 480 VAC (3-phase)
<b>Frequency</b>	50 or 60 Hz
<b>Connection</b>	Grid-tied + Backup/microgrid
<b>Capacity</b>	120 kWh
<b>Power</b>	36 kVA continuous
<b>Round-trip efficiency</b>	88.5 % AC-to-AC at 25°C
<b>Scalability</b>	Up to 2.4 MWh
<b>Expected Life</b>	Battery 3000 cycles / 8+ years
<b>Warranty</b>	Battery 2000 cycles / 4 years
<b>Communication</b>	Modbus TCP/IP, Wi-Fi, Ethernet, Cellular 4G/LTE, REST API

## CERTIFICATIONS

<b>Battery</b>	IEC 62619
<b>Grid</b>	AS/NZS 4777.2
<b>EMC</b>	IEC 61000-6-3
<b>Safety</b>	IEC 62040-1, IEC 62109-1, IEC 62477-1, IEC 60730 Annex H

## PHYSICAL SPECIFICATIONS

<b>Dimensions</b>	D2174 x W1350 x H1715 mm
<b>Weight</b>	2300 kg
<b>Recommended Temperature</b>	0°C to 45°C ambient
<b>Cooling system</b>	Integrated air conditioner
<b>Humidity</b>	90% (non-condensing)
<b>Location</b>	Indoor or outdoor
<b>Ingress Protection</b>	IP54



POWERED BY





### Networks

- Peak shaving
- Voltage control
- Frequency response



### Agriculture

- Peak demand charge
- Remote and off grid
- Backup/emergency power



### Business and Industrial

- Load shifting
- Solar shifting
- Backup power



### Community storage

- Virtual shared storage
- Solar sponge
- Time of Use shifting



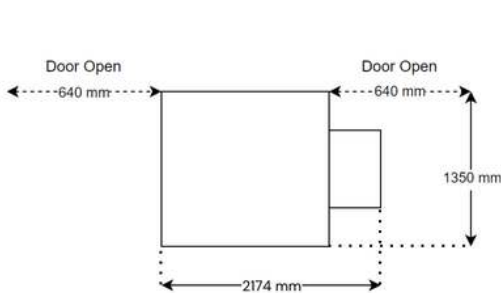
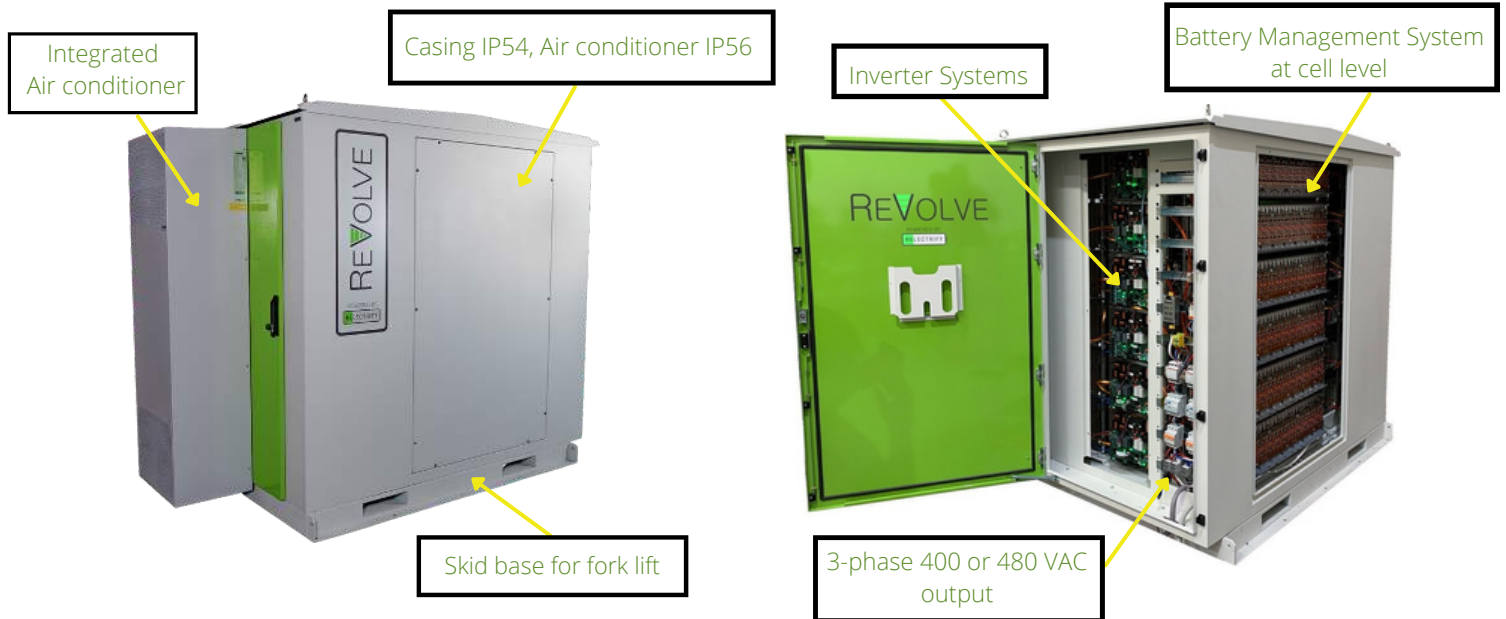
### EV charging

- Peak shaving
- Deferral of capacity upgrades

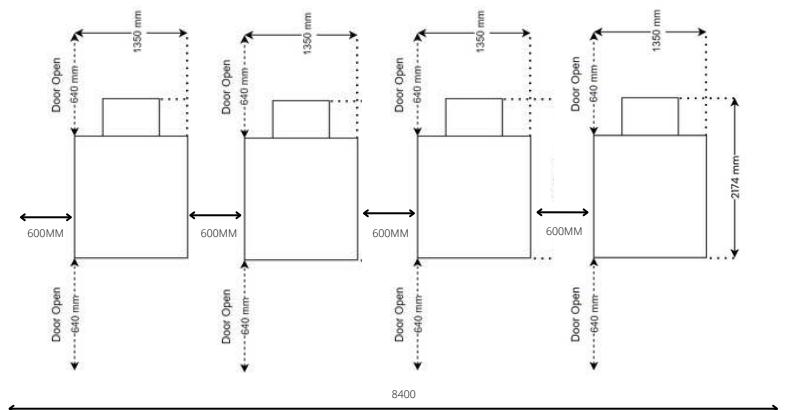


### Remote and off grid

- Reliable off grid power
- Efficient use of diesel fuel
- Save on fuel transport costs



SINGLE SITE SIZING 2174 X 1350MM



4 UNIT SITE SIZING 8400 X 3427MM

