



RELY ON US WHEN YOU  
FIND YOURSELF NEEDING  
A REMOTE SOLUTION.

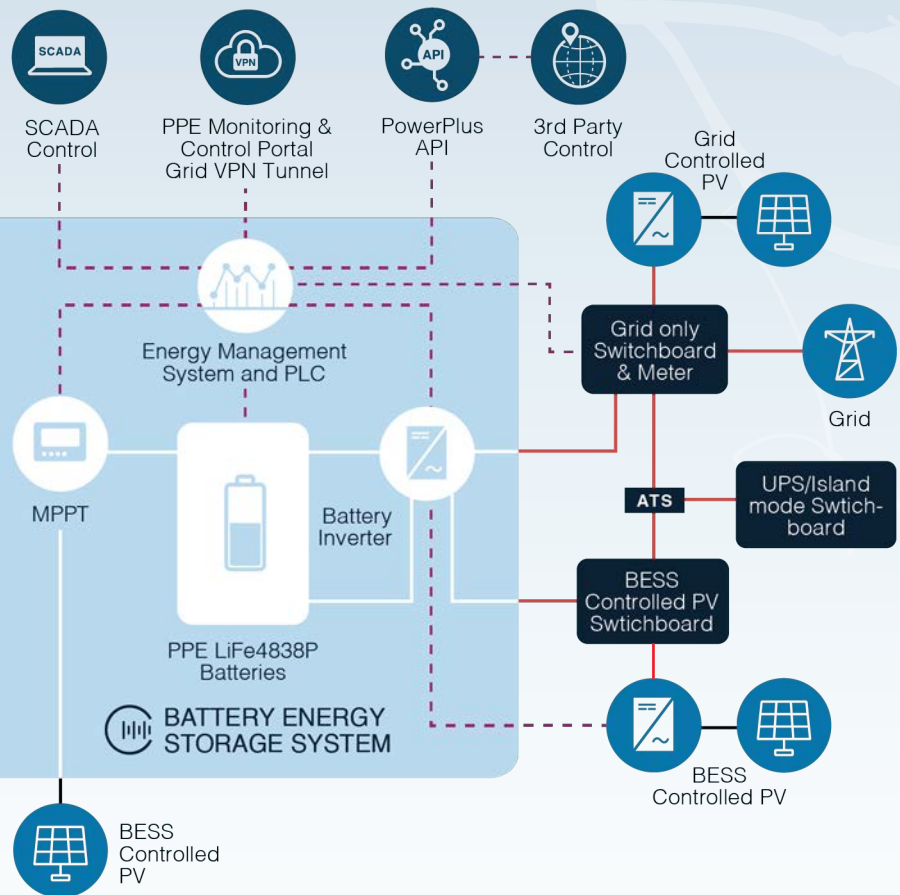
# Escape10

Off-Grid & On-Grid BESS Solutions, Made and Designed in Australia.

Designed to suit on-grid and off-grid connected applications, the Escape10 Series is scalable from 7.5kW/36kWh right through to 90kW and MWh capacities in single, dual and three phase applications.



# Proudly support Aussie made products when you integrate **Escape10**



## An all-in-one system. Built for everyone and everything. Powered by our Australian Made, LiFe4838P lithium battery.

Escape10 solutions are an all Australian integrated power solution allowing flexible installations for domestic and commercial/ industrial (C&I) installations.

Utilising MPPT technology and leading edge conversion equipment, our Escape10 solutions are designed to stand out from the crowd with, longevity, reliability, and you in mind.

With an engineering focus on ease of use, installation and maintenance, Escape10 systems have a lower mean time to repair than most solutions due to the modular battery and

MPPT technology. This improves serviceability, reliability and increases up time. Hot swappable components such as lithium batteries and inverters also help reduce future time on site.

The built in automatic transfer between the AC source and the BESS output in <30ms means that most loads will not notice if the grid fails.

The LiFe4838P lithium battery (with 15% increased storage) compliments the system, boasting the integration of a generation II self-managed BMS and an advanced LED indicator.

# Escape10 Series

## Single Phase Specifications

SCALABILITY	Esca1121	Esca1151
Custom	90kW/∞kWh	
Micro-Grids	Yes	
<b>AC OUTPUT BESS</b>		
Feed-In Type	1PH	
AC Frequency (Nominal)	50Hz	
Real Power, max continuous	7.5kW	15kW
Real Power, Short term (30s) (Island mode only)	18kW	36kW
Real Power, short term (1m) (Island mode only)	13kW	26kW
Real Power, short term (30m) (Island Mode Only)	11.25kW	22.50kW
Island Mode	Yes: <30ms	
Surge Protection	Yes (Type II)	
<b>AC INPUT BESS</b>		
AC Input	Grid/Generator	
AC Voltage Input (Nominal)	240V	
Feed-In Type	1PH	
AC Frequency (Nominal)	50Hz	
Real Power Charge, max continuous	7.5kW	15kW
Surge Protection	Yes (Type II)	
<b>DC BATTERY PERFORMANCE</b>		
Total Energy	38.0kWh	72.0kWh
Battery Chemistry	LiPO4 Lithium ferro phosphate	
<b>AC COUPLED SOLAR</b>		
AC Input Side	No Limit	
AC Output Side	7.5kW Generic (On-Grid only) 15kW Managed	15kW Generic (On-Grid Only) 30kW Managed
<b>INPUTS AND OUTPUTS</b>		
Assignable Relay Outputs	4 analogue, 3 digital	
Assignable Relay Output specs	60Vdc 5mA	
<b>ENVIRONMENTAL</b>		
Operating Temperature Range	-10 to 50°C	
Ideal Operating Temperature Range	0 to 45°C	
Storage Conditions	0 - 45°C (or as close to 25°C as possible)	
Ingress Rating	IP54	

### COMPLIANCE

Certifications	AS477.2:2020, IEC 62109-1, IEC 62109-2, IEC 62040-1, IEC 62477-1, IEC 62619-1, AS/NZS 62368.1:2018, UN38.3
Grid Connection	Australia
Emissions	EN61000-1, EN61000-2, EN61000-3, EN61000-4
<b>SERVICE ABILITY</b>	
Field Serviceable	Yes
MTRR	Low

### CUSTOM REQUESTS

Scope to customise the systems means you can ensure your project needs are always being met. If you cannot find a pre-configured solution simply get in touch. We can work with you to design a one-of-a-kind BESS built specifically for you and your needs in Single, Dual or Three Phase configurations.

# APPLICATIONS & MARKETS

The Escape10 BESS' internal configuration allows flexibility and customisation for use in a multitude of markets/sub-markets. See below for examples.



## Commercial & Industrial (C&I)

- ✓ Agribusiness/Farming
- ✓ Oil & Gas
- ✓ Emergency Services
- ✓ Government Projects
- ✓ Local/Rural Businesses
- ✓ Mining
- ✓ Telecom/Data
- ✓ Infrastructure
- ✓ Eco Resorts
- ✓ Rail/Transport



## Utility Scale/Owned

- ✓ Fringe of Grid
- ✓ SWER Line Replacement
- ✓ Community Batteries
- ✓ Centralised Grid Storage
- ✓ Remote Communities

## APPLICATIONS



ON-GRID



ON-GRID EPS



VPP  
VIRTUAL POWER PLANT (VPP)



TIME OF USE MANAGEMENT



MICRO-GRIDS



DIESEL OFF-SET



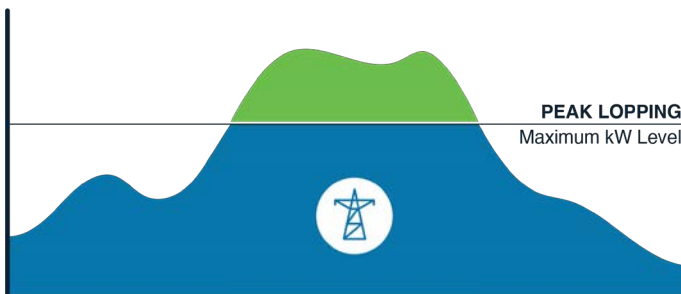
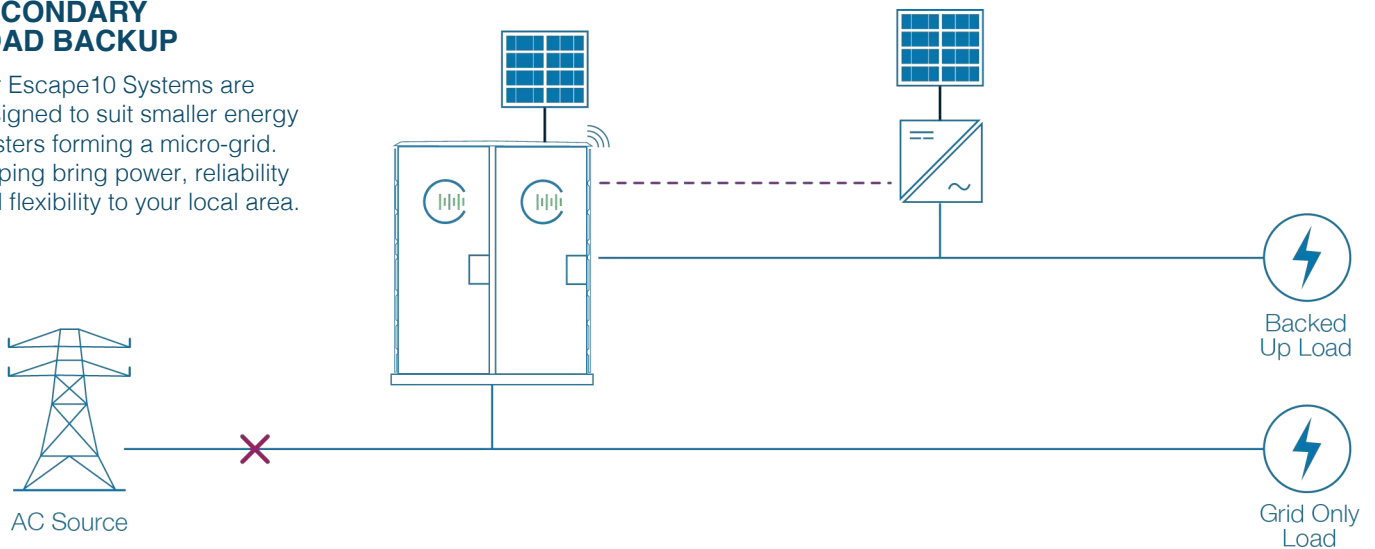
PEAK SHAVING



ENERGY SHIFTING

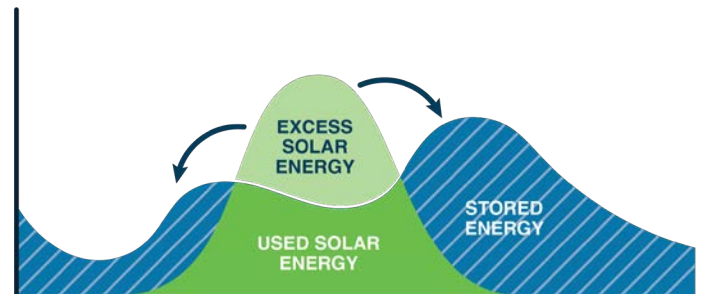
## SECONDARY LOAD BACKUP

Our Escape10 Systems are designed to suit smaller energy clusters forming a micro-grid. Helping bring power, reliability and flexibility to your local area.



## PEAK SHAVING

Tired of peak demand charges on your energy bill that just keep getting more expensive? Easily program Escape30 battery systems to provide the extra energy you need.



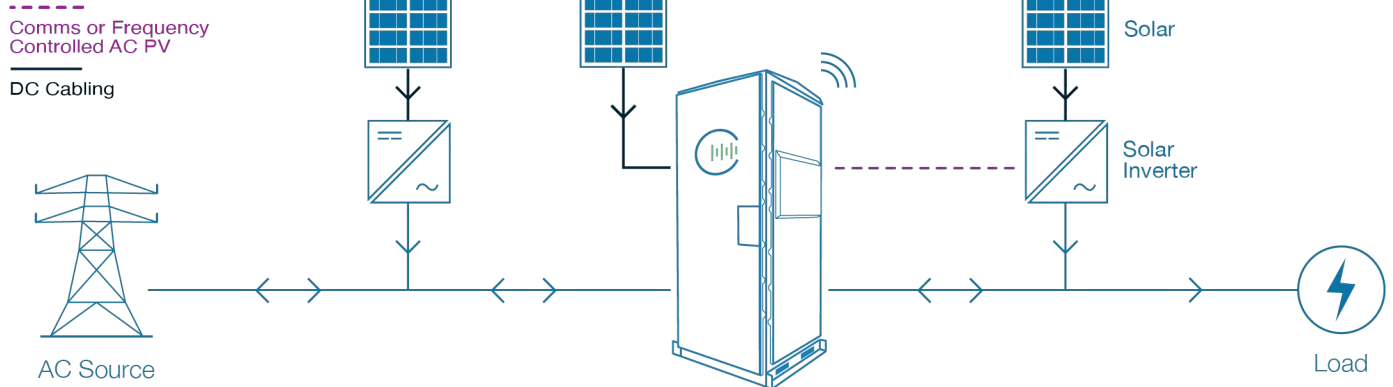
## ENERGY SHIFTING

Excess solar rather than being fed to the grid or export limited due to grid PV saturation, this free energy can be stored in Escape30 systems for use after the sun goes down.

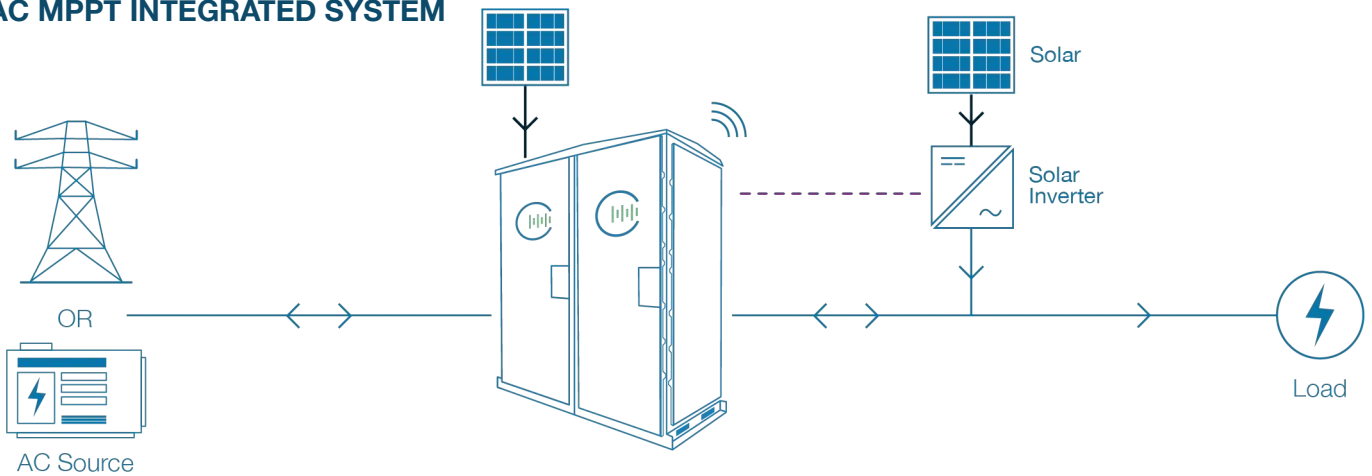
# SYSTEM CONFIGURATIONS & SCALABILITY

Our off-grid outdoor Escape10 BESS' can be easily installed into many on-grid set-ups. See below for example configurations.

## AC BATTERY SYSTEM



## AC MPPT INTEGRATED SYSTEM



## SCALABILITY



AC OUTDOOR BESS

0-1.8MW/ ∞MWh\*



MPPT Integrated AC BESS

0-1.8MW/ ∞MWh\*

External sun shields keep cabinet within optimum operating temperatures allowing installation in almost any environment.

Australian Products (AERL & Selectronic)

Assignable control outputs give you greater flexibility

\*Limitations are incurred when AC coupled solar is integrated. Please speak to us for more information



## We are here till the end of LiFe. Ongoing support & assistance.

When you invest in one of our systems, you gain access to our knowledge and ongoing support. Whether you are on site, monitoring from home or on the road, we are at the other end ready to assist wherever we can.