



POWER ON.
ANYTIME.
ANYWHERE

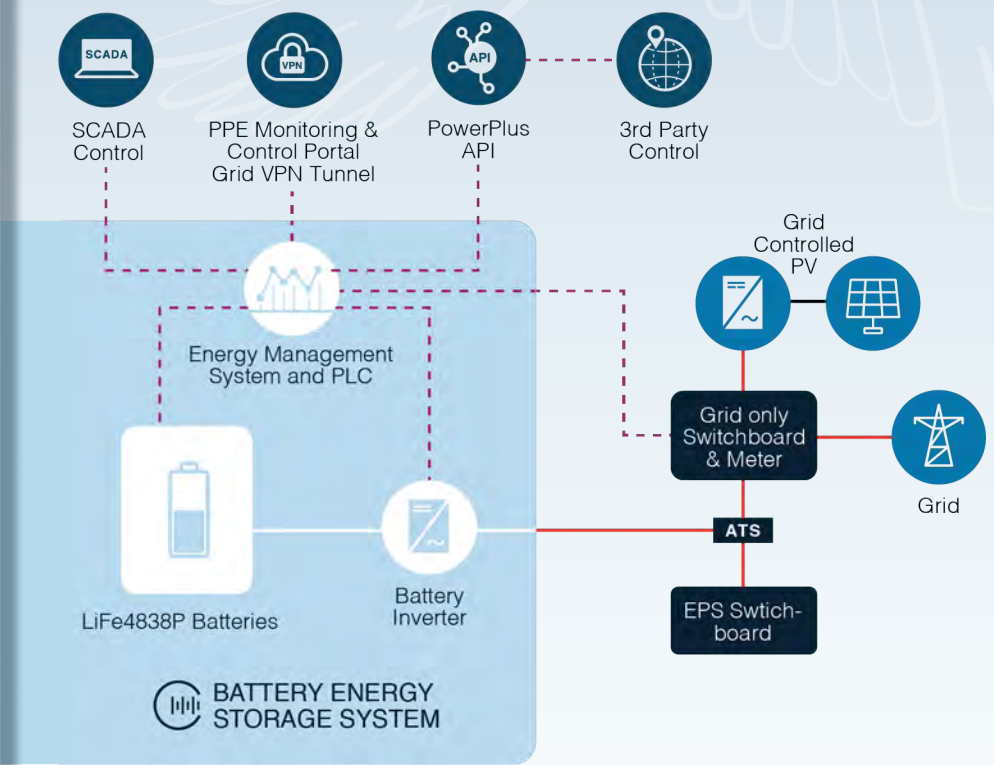
Escape30

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

Designed to suit On-Grid/Micro-Grid connected applications, the Escape30 Series is scalable from 29.7kW - 64.6kWh right through to 1MW clusters in single, dual and three phase applications.



Provide power security to your next on-grid project with **Escape30**



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

Escape30 Solutions are a modular power system, allowing flexible, scalable designs, for large domestic, commercial/industrial (C&I) and utility scale projects.

Utilising modular technology and leading edge conversion equipment, our Escape30 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, Escape30 systems have a low mean Time to Repair (MTTR) and an

N+1 redundancy. This improves serviceability, reliability and increases up time. Hot swappable components such as lithium batteries and inverters, again help to reduce further time on site.

The EPS functionality for dedicated circuits allows operation of critical equipment in the event of a utility grid blackout.

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.

Escape30 Series

Three Phase Specifications

SCALABILITY

	Esca3300	Esca3350
Maximum Size	1MW Clusters	
Custom	Yes	
Micro-Grids	Can Couple to Micro-Grid	

AC OUTPUT BESS

Feed in-Type	3PH	
AC Voltage Output (Nominal)	415V	
AC Frequency (Nominal)	50Hz	
Apparent Power, max continuous (Charge and Discharge)	29.7kVA	
Total Harmonic Distortion	<3%	
Power Factor Output Range	0.8 Lagging to 0.8 Leading	
Island Mode	Yes: EPS <10 Seconds External GPR required	
Surge protection	Yes (Type II)	

AC INPUT BESS

AC Input	Grid	
AC Voltage Input (Nominal)	415V	
Feed-In Type	3PH	
AC Frequency (Nominal)	50Hz	
Real Power, max continuous	29.7kW	
Surge Protection	Yes (Type II)	

DC BATTERY PERFORMANCE

Total Energy	64.6kWh	
Battery Chemistry	LiPO4 Lithium ferro phosphate	

AC COUPLED SOLAR

AC Input side	Yes	
AC Output side	No	

INPUTS AND OUTPUTS

Assignable Relay Outputs	2	
Assignable Relay Output specs	60V	

ENVIRONMENTAL

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	IP21	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

SERVICE ABILITY

Field Serviceable	Yes
MTTR	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 Escape30 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
- ✓ Community Batteries
- ✓ Centralised Grid Storage
- ✓ Remote Communities

APPLICATIONS



ON-GRID



ON-GRID EPS



VPP
VIRTUAL POWER PLANT (VPP)



TIME OF USE MANAGEMENT



MICRO-GRIDS



UTILITIES



PEAK SHAVING

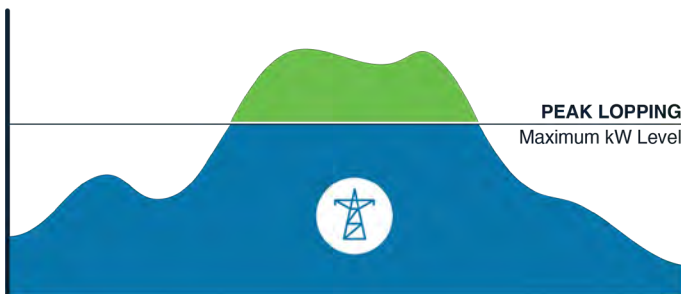
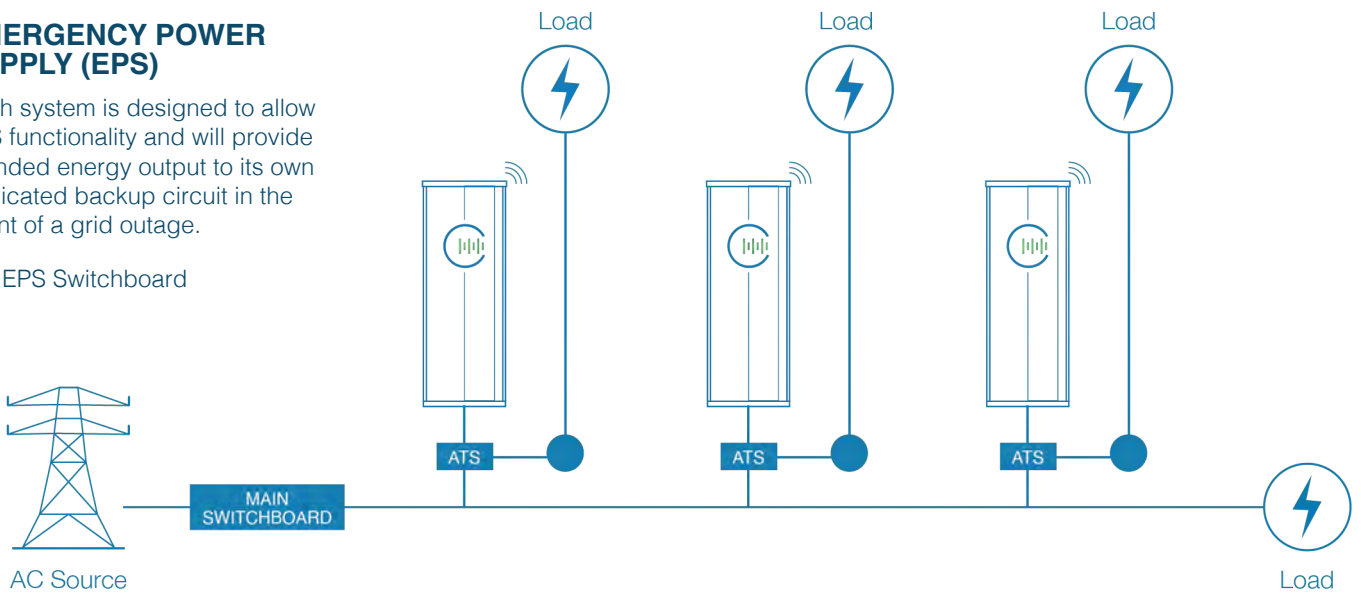


ENERGY SHIFTING

EMERGENCY POWER SUPPLY (EPS)

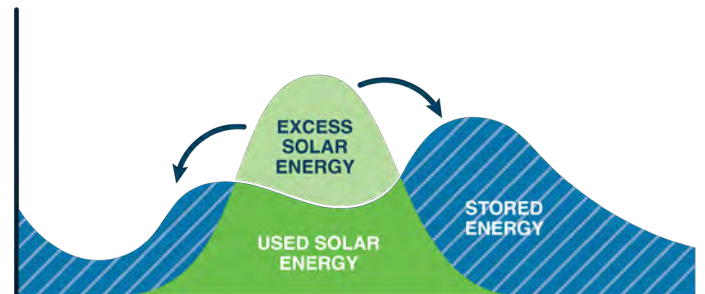
Each system is designed to allow EPS functionality and will provide islanded energy output to its own dedicated backup circuit in the event of a grid outage.

● EPS Switchboard



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.



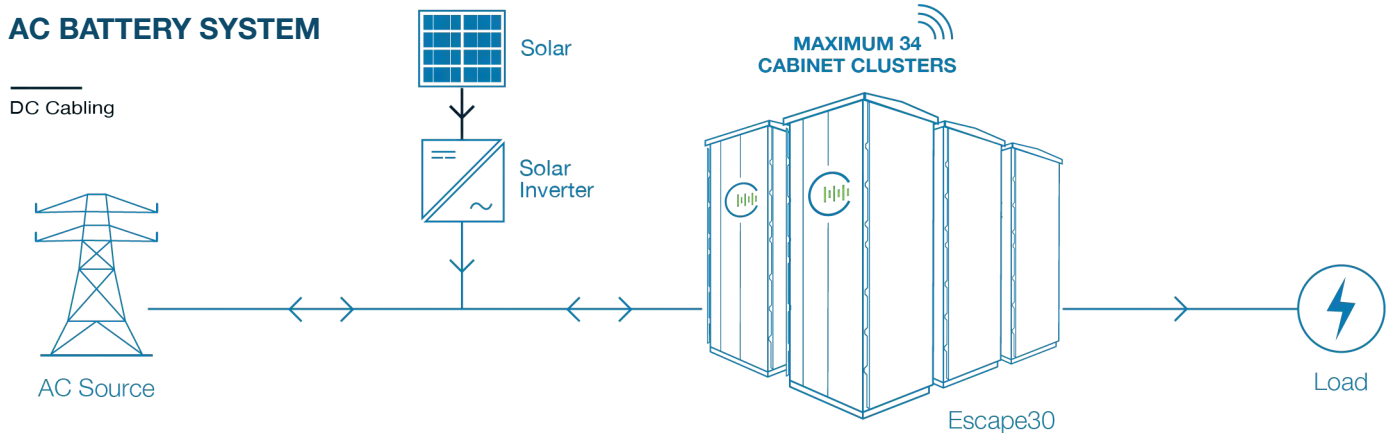
ENERGY SHIFTING

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

AC BATTERY SYSTEM



SCALABILITY

AC INDOOR BESS

29.7-64.5kWh/1MW Clusters

Top cable entry

Built in Type II Surge Protection

IP21 Rated

Optional 5G Modem

Caster Wheels

AS4777.2.2021 Certified



AC OUTDOOR BESS

29.7-64.5kWh/1MW Clusters

Slab mount or bottom cable entry

Built in Type II Surge Protection

IP54 Rated

Optional 5G Modem

Fork or crane into position

AS4777.2.2021 Certified



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.