

Standard Configurations

Version: V1 February 2025

All ESSential Cabinets are constructed with high-grade aluminium and have insulated interior lining, venting fans and Discover LYNK-II monitoring.

DC Switchboard – has breakers for Solar PV isolation, and battery breakers

AC Switchboard – has generator changeover switch and generator breaker, Inverter supply.

 victron energy BLUE POWER	SS-DPAE-5kVA-100	ESS-DPAE-10kVA-100	ESS-DPAE-10kVA-200	ESS-DPAE-24kVA-200EXAMPLE
Nominal Inverter Size	5kVA	10kVA	10kVA	3 x 8kVA
Number of Cabinets	1	1	1	3
Special or Standard Build	Special	Standard	Standard	Special
Single (1) or 3 Phase	1ph	1ph	1ph	3ph
Inverter/Charger	Victron Multiplus-II 48/5000	Victron Multiplus-II 48/10000	Victron Multiplus-II 48/10000	3 x Victron Multiplus-II 48/8000
AC OUTPUT				
Continued (Rated) Output Power at 25°C	4kW	8kW	8kW	19.2kW
Max Cont Current Pass Thru	50A	100A	100A	TBC
Surge power	200% Rated Power	200% Rated Power	200% Rated Power	200% Rated Power
Transformer based	Yes	Yes	Yes	Yes
PV STRING INPUT				
Additional Solar Charger	Victron MPPT SmartSolar 450/100	Victron MPPT SmartSolar 450/100	Victron MPPT SmartSolar 450/200	3 x Victron MPPT SmartSolar 450/200
Max PV Input Power	5.7kW	5.7kW	11.5kW	3 x 11.5kW
PV String Voltage	450V	450V	450V	450V
# of MPPTs, # strings /mppt	2/1	2/1	4/1	3x(4/1)
System management device	Ekrano	Ekrano	Ekrano	Ekrano
Number of batteries (up to and including)	Min 2 / Max 6	Min 3 / Max 6	Min 3 / Max 6	Min 9 / Max 18
Pre-Wired DC switchboard	YES	YES	YES	YES
Pre-Wired AC switchboard	YES	YES	YES	YES
Dimensions	W 1.33m x H 1.45m x D 0.61m	W 1.33m x H 1.45m x D 0.61m	W 1.33m x H 1.45m x D 0.61m	W 4.0m x H 1.7m x D 0.61m
Weight without batts	200kg	220kg	220kg	900kg

Get in touch

 sales@dpa.energy

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National Head Office

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Designed for Installers

Aussie Ready Energy Storage System

The ESSential is IP55-rated and heavily insulated, fitted with fan-forced cooling across all areas and optional air-conditioning for warmer climates.

Ready To Connect

The ESSential can be scaled up to a three-cabinet configuration and is pre-wired, programmed and ready for solar and AC connection.

Aluminium Construction

The ESSential uses an aluminium cabinet and has a lighter base weight for maneuverability on site. The aluminium cabinet is also resistant to corrosion in coastal conditions.

Factory Tested

Every ESSential is factory-tested to improve site efficiency and overall customer satisfaction.



Speak with your DPA sales representative about non-standard configurations that you need to satisfy your requirements.

Standard single cabinet dimensions: Width 1.33m x Height 1.45m x Depth 0.61m

Need more batteries? We have a single cabinet configured for 11 batteries – Part Number ESS-DPAE-PLAIN-CABINET.

We are more than solar

Founded in 2009, DPA is one of Australia's leading specialty distributors of advanced energy storage and power system solutions.

With a focus on reliability and quality, DPA works closely with trusted global brands to ensure they are represented and professionally supported across the entire Australian market – before, during and after the sale.

Our team of experts are located across Australia to provide specialist technical advice suited to local market rules and needs. With our expanded footprint DPA also offers fast, local delivery across Australia.

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Visit our website



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