

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.

NOARK	ESS-DPAE-H5-1	ESS-DPAE-H8-1	ESS-DPAE-H10-3	ESS-DPA-H12-3
Nominal Inverter Size	5kW	8kW	10kW	12 kW
Special or Standard Build	Standard	Standard	Standard	Standard
Number of Cabinets	1	1	1	1
Single (1) or 3 Phase	1ph	1ph	3ph	3ph
Inverter/Charger	Noark Sion 5kW	Noark Sion 8kW	Noark Trinx 10kW	Noark Trinx 12kW
AC OUTPUT				
Continuous (Rated) Output Power at 25°C	5kW	8kW	10kW	12kW
Max Cont Current Pass Thru	35A	50A	45A	45A
Surge power (10 seconds)	200% Rated Power	200% Rated Power	200% Rated Power	200% Rated Power
PV STRING INPUT				
Max PV Input Power	7.5kW	12kW	15kW	18kW
PV String Voltage	500V	500V	800V	800V
# of MPPTs, # strings /mppt	2/1	2/2	2/2	2/2
System management device	MyNoark	MyNoark	MyNoark	MyNoark
Number of batteries (up to and including)	Min 2 / Max 6	Min 3 / Max 6	Min 3 / Max 6	Min 3 / Max 6
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 1.33m x H 1.45m x D 0.61m
Weight without batteries	200kg	210kg	220kg	220kg

Get in touch

 sales@dpa.energy

 + 61 (3) 9696 1119

National Head Office

4/273 Williamstown Rd
Port Melbourne VIC 3207

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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