



CONNECT | HARNESS THE SUN



Power your way

AUSTRALIAN ENGINEERED

- ≡ Locally designed, tested and integrated to stringent quality and safety standards.

REVENUE MULTIPLIER

- ≡ Amplify revenue stream by adding storage to Solar PV Plants.
- ≡ DC Coupled storage allows for PV array oversizing by capturing the “clipped” energy and discharging it into the evening peak.

EFFICIENT IN EVERY WAY

- ≡ Liquid cooled LFP battery technology with built in thermal management system, fire-suppression system, and market leading performance warranties.
- ≡ No additional grid studies required in most cases.

EXPLORE YOUR OPTIONS

- ≡ Ancillary services such as FCAS, Energy Arbitrage etc.
- ≡ Clipping recapture allows for time of use PPAs, PV Smoothing (such as in case of cloud events).

TAKE CONTROL

EVO Power's CONNECT is a DC coupled BESS engineered to amplify the revenue streams of utility-scale Solar PV Plants (DC-Couple ready SMA PV Inverters).

Designed in close collaboration with OEM partners, CONNECT allows increasing the size of the PV plant thereby facilitating clipping recapture and time shifting of stored energy.

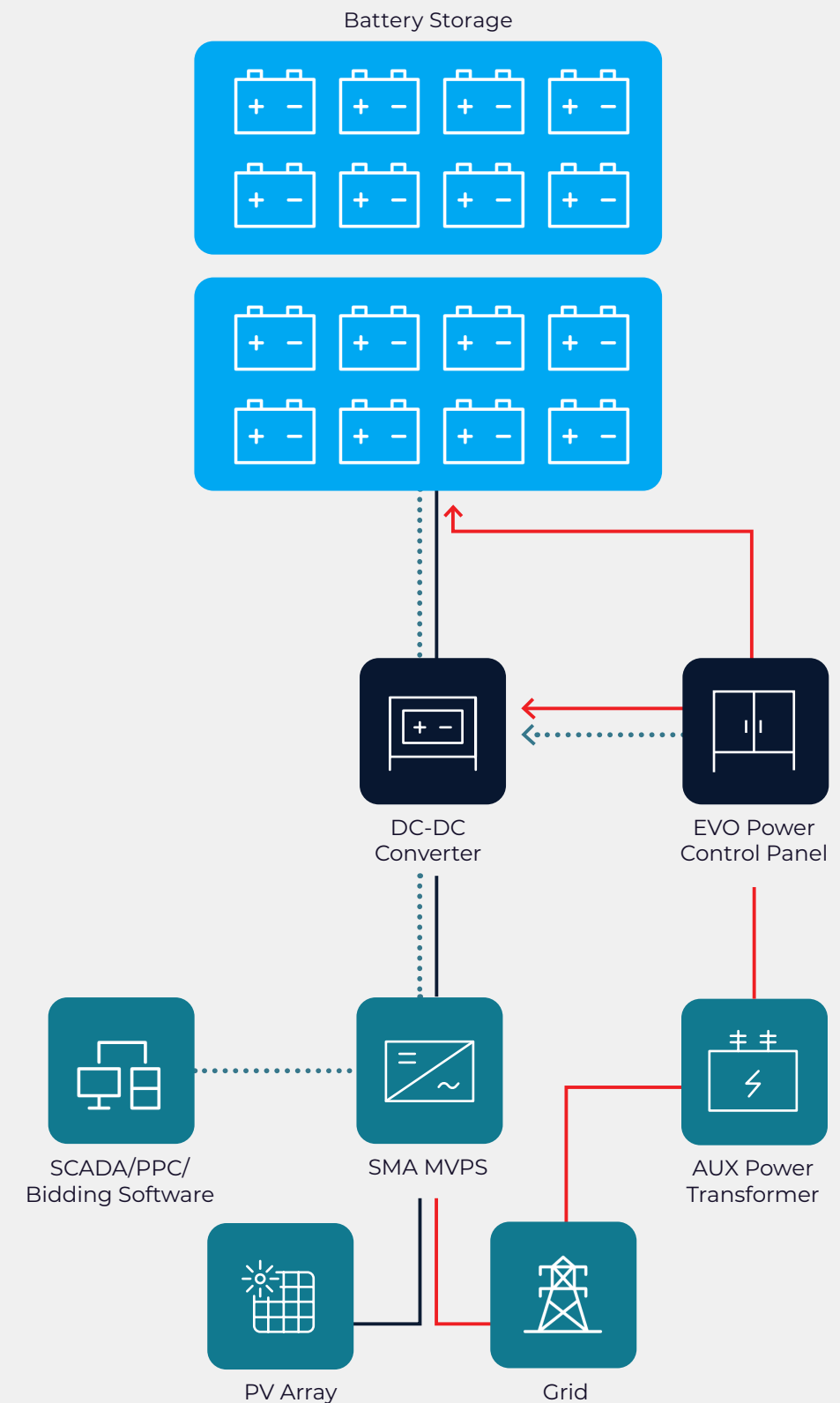
CONTROL PANEL

- Switchboard and UPS
- Auxiliary Power
- Fire Control Panel
- Warranty Data Logger

UNLOCK POTENTIAL

DC Coupled PV plants unlocks enhanced returns by participating in FCAS and energy markets.

- COMMUNICATION
- AC POWER
- DC POWER
- CORE Battery Container
- CONNECT DC Power Station
- External



CORE 5.0
CORE 4.2
CORE 3.3
CORE 2.5

Liquid Cooled Battery Container
with built-in Fire Suppression System*

* Battery cabinet option is available for IP application.

SMA MVPS

EVO POWER
CONTROL PANEL

DPS-500 DC-DC
CONVERTER

SPECIFICATIONS

DPS-500 DC-DC CONVERTER DATA	
Max. Continuous Power (at 35 °C)	500 kW at 1000 VDC 600 kW at 1200 VDC to 1500 VDC
Max. Continuous Current (at 35 °C)	+/- 500 A
Average Efficiency	98.2%
CONTROL PANEL	
*Input Voltage	400 VAC
Battery Management Unit	Master BMU supplied
Battery Data Logger	Supplied for Data Logging of Battery for Warranty Support
ENVIRONMENTAL	
Operating Temperature Range / Humidity Range	DC-DC Converter: -25°C ~ 55°C / 0 to 95%
IP Ratings	DC-DC Converter IP54, Battery Combiner IP54, Control Panel IP54
COMPLIANCE	
DC-DC Converter Standards	IEC 61000-6-2, IEC 62109-1, UL 1741, UL 62109-1
Battery Combiner	AS 61439
DIMENSIONS & WEIGHTS	
System Dimensions (mm, L x W x H)	1001 x 851 x 2,045 per DC-DC Converter, 2,000 x 920 x 1,400 per Battery Combiner, 600 x 800 x 1,920 per Control Panel
Weight of Key Components	590 kg per DC-DC Converter, 300 kg per Battery Combiner, 250 kg per Control Panel

BATTERY STORAGE [incremental]	1P Battery Cabinet	CORE 3.3	CORE 4.2	CORE 5.0
Cell Chemistry	Lithium Iron Phosphate Battery (LiFePO4 or LFP)			
Nominal energy (DC) ¹	379.3 kWh (1P)	3,343 kWh (0.5P)	4,179 kWh (0.5P)	5,015 kWh (0.5P)
Configuration	1P416S	4P416S	5P416S	6P416S
Thermal management	Liquid Cooled			
ENVIRONMENTAL				
Degree of Protection	IP55			
Ambient temperature	-30 °C to +55 °C			
Relative humidity (non-condensing)	0-100% (Outdoor)			
Maximum altitude	1,000 m (for installations beyond 1,000 m - please contact EVO Power)			
COMPLIANCE				
Compliance Battery Storage	UN 38.3, UL 1973, UL 9540A, IEC 62619, IEC 61000.6.2/4, NFPA855			
DIMENSIONS & WEIGHTS				
Dimensions (Battery Storage)	1,390 × 1,344 × 2,348 (L x W x H in mm)	6,058 × 2,438 × 2,896 (L x W x H in mm)	6,058 × 2,438 × 2,896 (L x W x H in mm)	6,058 × 2,438 × 2,896 (L x W x H in mm)
Weight (Battery Storage)	3,515 kg	33,000 kg	39,000 kg	45,000 kg

Note: Client is required to provide 3ph 400VAC Auxiliary power supply for DC-DC Converters & Battery Racks.

1. Other battery capacity / power ratings available upon request. Please contact EVO Power for further details.
Please contact EVO Power for the detailed Warranty Statement.
**Specifications may be updated without notice, please refer to the EVO Power website for the current information.

CONFIGURATION OPTIONS

1 x 5.015 MWhdc Container + 5 x DPS500



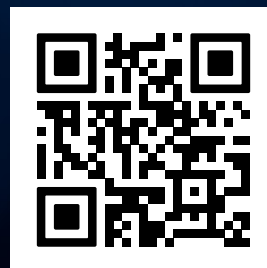
2 x 5.015 MWhdc Containers + 6 x DPS500





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