



NEO SERIES

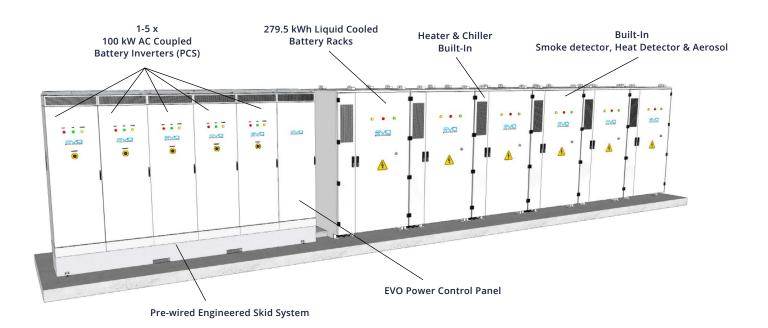


100 kW / 250 kWh to MW / MWh
BATTERY ENERGY STORAGE SYSTEMS

POWER YOU CAN TRUST THAT WON'T COST THE EARTH



SYSTEM COMPONENTS



NEO 500 kW / 1,500 kWh example solution shown

HARDWARE FEATURES



- o Lithium Iron Phosphate Chemistry
- o Industry leading Value/Performance
- o Liquid Cooled Battery Modules
- o Fire Suppression System Built-In



- DELTA Electronics 100kW Inverter
- o High Voltage / High Efficiency
- o 400 VAC 3 Phase Output (4 wire)
- o Backup Power Coming Soon
- o Fast response for FCAS Applications



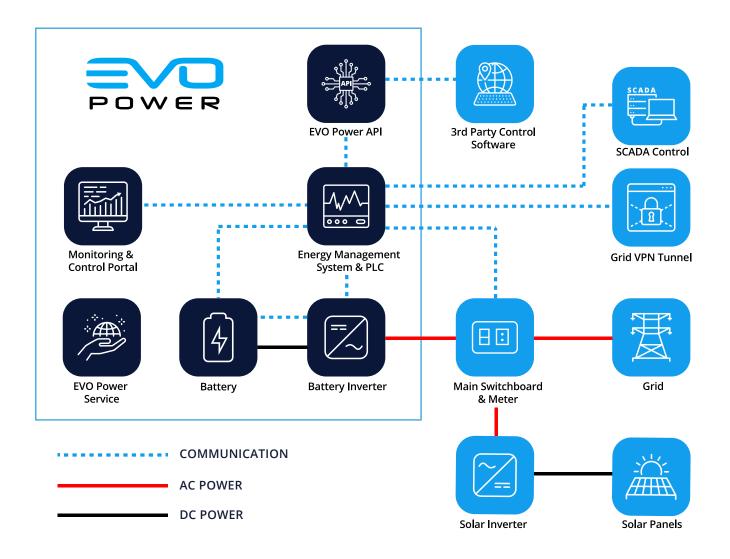
- High Quality Control Hardware
- o EVO API for 3rd Party VPP Aggregators
- o EVO Advanced Monitoring Platform
- o Full Monitoring of Compatible PV Systems
- o Cyber Security (DIN EN ISO/IEC 27001)



- Preconfigured Control Panel
- o AC & DC Protection Devices
- o Energy Management System
- o Power Controller & Ethernet Switch
- o Energy Management System UPS



SYSTEM SCHEMATICS



POWER CONTROL APPLICATIONS



- Solar Self Consumption
- Utility VPN Control Tunnel

Peak Shaving

- Utility Meter Reading Capability
- Optional SCADA functionality
- Optional Solar Inverter Control
- Optional Demand Response
- Programmable Logic Controller

EVO Power Cloud Server & API for 3rd Party System Control for Orchestration of Grid Services



- FCAS / Grid Services
- Virtual Power Plant
- Energy Arbitrage
- Integration with other platforms

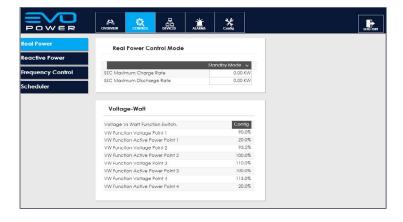


EVO EMS (Energy Management System)

EVO MONITORING PLATFORM

- Dashboard for a System-Specific Overview
- Individual Configuration of Alarm Criteria
- Mobile Monitoring with iPhone and Android App
- Calendar for Coordinating Service Deployments
- Individual Reporting, CSV Export of all Measurement Data
- Fleet Review Tabular Display of all the Key Performance Indicators for all Systems



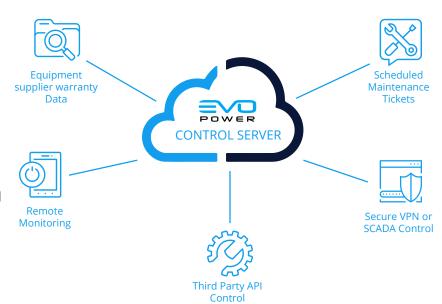


EVO REMOTE CONTROL PLATFORM

- Graphical User Interface for Configuration
- Programmable Peak Shaving Fixed Value and Characteristic Curve Control
- Active Power and Reactive Power Control
- Ramp Rate Control Coming Soon

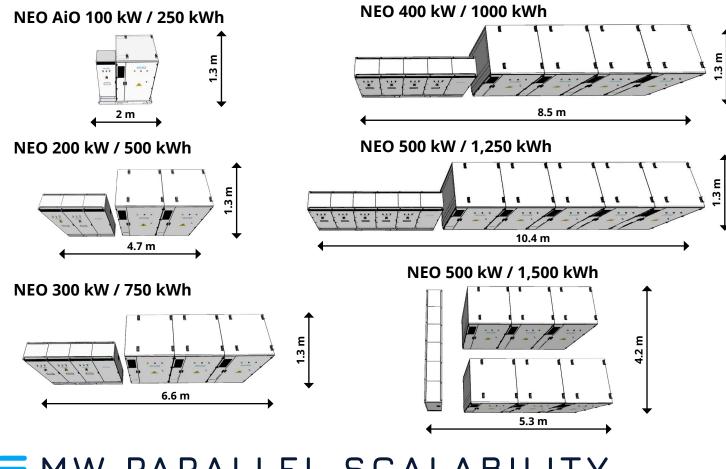
EVO CONTROL SERVER PLATFORM

- Optional Control via Third Party Optimisation / VPP Aggregator
- Agnostic API Control Commands
- Open Platform
- Optional Secure VPN or SCADA Control
- Single Asset or Fleet Management

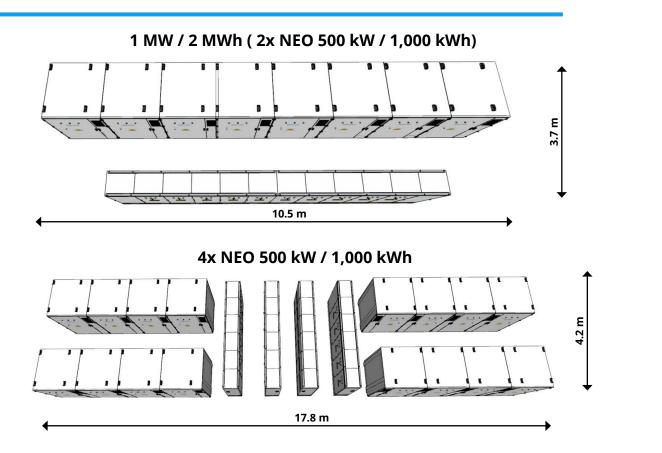




SCALABILITY CONFIGURATIONS



MW PARALLEL SCALABILITY





NEO 100 kW	NEO 200 kW	NEO 300 kW	NEO 400 kW	NEO 500 kW		
100 kVA / kW	200 kVA / kW	300 kVA / kW	400 kVA / kW	500 kVA / kW		
110 kVA / kW	220 kVA / kW	330 kVA / kW	440 kVA / kW	550 kVA / kW		
	380 VAC / 400 VAC					
310 ~ 450 VAC						
145 A	290 A	435 A	580 A	725 A		
	<3%					
	5	60 Hz (45 ~ 55 Hz)			
		98%				
	-1 to 1,	continuously adj	ustable			
279.5 kWh rack	s per system)					
279.5 kWh (260 kWh) for 0.5C Cells			note. 259.5 kWh (252.3 kWh) for 1C Cells			
250 kW	/h for 0.5C Cells	,	note. 244 kWh for 1C Cells			
873.6 ~ 1,123 VDC (998.4 VDC)						
	LFP					
-30~55 °C (Inverter derating at 45 to 55 °C) / 0 to 95% RH non condensing						
	inverter derating	at 45 to 55 C/7 t) to 95% km non	condensing		
Ene	rgy Storage IP66,	·				
Ene		·				
		EVO Control Pan	el IP54, Inverter I	P55		
YES -	rgy Storage IP66,	EVO Control Pan	el IP54, Inverter I & 3 rd Party Aggre	P55 gator		
YES -	rgy Storage IP66, - Capable through	EVO Control Pan n EVO Power API tion prewired and	el IP54, Inverter I & 3 rd Party Aggre d included as star	gator ndard		
YES -	rgy Storage IP66, Capable through	EVO Control Pan n EVO Power API tion prewired and	el IP54, Inverter I & 3 rd Party Aggre d included as star	gator ndard		
YES - Intern Fire Supp AS/NZ	rgy Storage IP66, Capable through	EVO Control Pan EVO Power API tion prewired and with smoke and he	el IP54, Inverter I & 3 rd Party Aggre d included as star eat detectors plus 2477.1, IEC 6210	gator ndard s aerosols		
YES - Interi Fire Supp AS/NZ	rgy Storage IP66, Capable through nal AC & DC Isolat ression system w	EVO Control Pan a EVO Power API tion prewired and with smoke and he a N4105, IEC/EN 6 b, IEC/EN 61000.6	el IP54, Inverter I & 3 rd Party Aggre d included as star eat detectors plus 2477.1, IEC 6210 4, IEC 60068.2.64	gator ndard s aerosols		
YES - Interi Fire Supp AS/NZ	rgy Storage IP66, Capable through hal AC & DC Isolat ression system w S 4777.2, VDE-AR IEC/EN 61000.6.2	EVO Control Pan a EVO Power API tion prewired and with smoke and he a N4105, IEC/EN 6 b, IEC/EN 61000.6	el IP54, Inverter I & 3 rd Party Aggre d included as star eat detectors plus 2477.1, IEC 6210 4, IEC 60068.2.64	gator ndard s aerosols		
YES - Interi Fire Supp AS/NZ UN 1,200 x 780 x 2, 1,300 x 1,300 x 3	rgy Storage IP66, Capable through hal AC & DC Isolat ression system w S 4777.2, VDE-AR IEC/EN 61000.6.2	EVO Control Pan EVO Power API tion prewired and with smoke and he N4105, IEC/EN 6 , IEC/EN 61000.6. IL 9540A, IEC 626 verter Skid, 600 m	el IP54, Inverter I & 3 rd Party Aggre d included as star eat detectors plus 2477.1, IEC 6210 4, IEC 60068.2.64 19, IEC 61000.6.2	gator ndard s aerosols 9-1/-2, 4 2/.4 ditional 100 kW, 310 x 2280 mm)		
	100 kVA / kW 110 kVA / kW 145 A 279.5 kWh rack 2 (260 kW 250 kW	100 kVA / kW 110 kVA / kW 220 kVA / kW 220 kVA / kW 3 145 A 290 A -1 to 1, 279.5 kWh racks per system) 279.5 kWh (260 kWh) for 0.5C Cells 250 kWh for 0.5C Cells	100 kVA / kW 110 kVA / kW 220 kVA / kW 380 VAC / 400 VAC 310 ~ 450 VAC 145 A 290 A 435 A <3% 50 Hz (45 ~ 55 Hz 98% -1 to 1, continuously adj 279.5 kWh (260 kWh) for 0.5C Cells 250 kWh for 0.5C Cells 873.6 ~ 1,123 VDC (998.4 VDC) LFP	100 kVA / kW 200 kVA / kW 300 kVA / kW 440 kVA / kW 110 kVA / kW 220 kVA / kW 330 kVA / kW 440 kVA / kW 380 VAC / 400 VAC 310 ~ 450 VAC 145 A 290 A 435 A 580 A <3% 50 Hz (45 ~ 55 Hz) 98% -1 to 1, continuously adjustable 279.5 kWh racks per system) 279.5 kWh for 0.5C Cells (252.3 kWh) for 0.5C Cells note. 244 kWh for 873.6 ~ 1,123 VDC (998.4 VDC)		

 $^{1. \} Useable\ energy\ \&\ Nominal\ Energy\ is\ based\ on\ beginning\ of\ battery\ life\ at\ 25\ ^\circ\!C\ and\ at\ peak\ efficiency\ charge/discharge\ rate$



SYSTEM DESCRIPTION	EVO PART NO.	CHARGE / DISCHARGE POWER (AC kW) ²	USEABLE ENERGY (BOL, AC kWh)	NOMINAL ENERGY (BOL, DC kWh)
NEO AiO 100 kW / 250 kWh	1127	100	250	280
NEO 100 kW / 500 kWh	1102	100	500	559
NEO 200 kW / 250 kWh - Power ¹	1103	200	244	252
NEO 200 kW / 500 kWh	1104	200	500	559
NEO 200 kW / 750 kWh	1105	200	750	839
NEO 200 kW / 1000 kWh	1125	200	1,000	1,118
NEO 250 kW / 500 kWh	1106	250	500	559
NEO 300 kW / 750 kWh	1107	300	750	839
NEO 300 kW / 1,000 kWh	1108	300	1,000	1,118
NEO 300 kW / 1,250 kWh	1109	300	1,250	1,398
NEO 300 kW / 1,500 kWh	1126	300	1,500	1,677
NEO 400 kW / 500 kWh - Power	1110	400	488	504
NEO 400 kW / 750 kWh	1111	400	750	839
NEO 400 kW / 1,000 kWh	1112	400	1,000	1,118
NEO 400 kW / 1,250 kWh	1113	400	1,250	1,398
NEO 400 kW / 1,500 kWh	1114	400	1,500	1,677
NEO 500 kW / 500 kWh - Power	1116	500	488	504
NEO 500 kW / 1,000 kWh	1118	500	1,000	1,118
NEO 500 kW / 1,250 kWh	1119	500	1,250	1,398
NEO 500 kW / 1,500 kWh	1120	500	1,500	1,677

EVO Power Pty Ltd ABN 40 634 823 260 Unit 1, 2 Sigma Drive, Croydon South, VIC, 3136





NEO 250 kW / 500 kWh system is a Derated AC output version of a 300 kW inverter station system
 All the AC power ratings exclude the auxiliary power. All auxiliary circuits are powered by the PCS when in backup mode. Combinations of the same systems above can be controlled in parallel to achieve larger systems sizes.



APPROVED INSTALLER



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