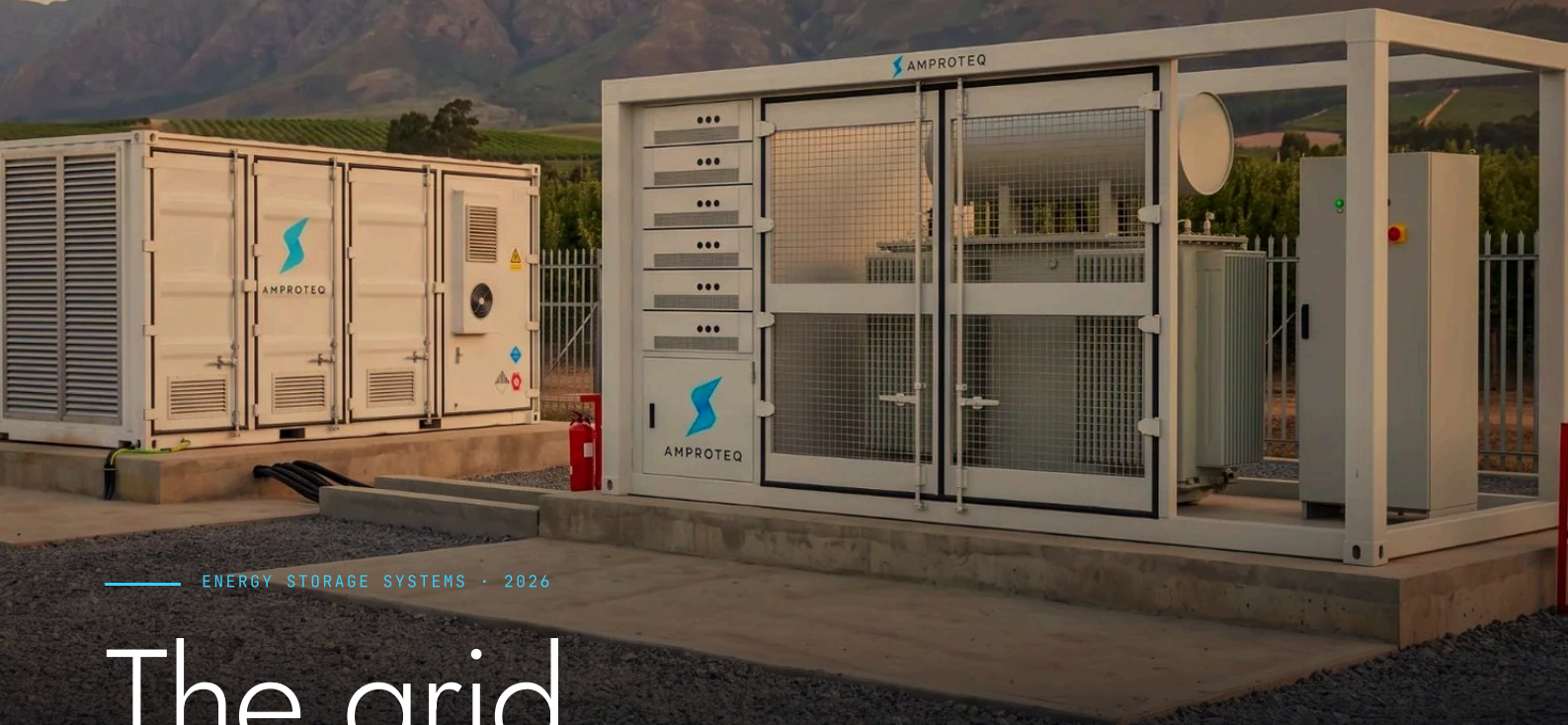




ENERGY STORAGE SYSTEMS • 2026

The grid, on your terms.

Liquid-cooled battery storage from 1 to 6.25 MWh, with the converters, medium-voltage skid and transfer switching to connect it. One system, run by one Solaris™ controller.

STORAGE	1 - 6.25 MWh
CONNECTION	400 V - 35 kV
ISLAND TRANSFER	≤ 10 ms

THE RANGE

SIX PRODUCT FAMILIES • PAGES 02 - 03

01 • BATTERY STORAGE

APEX

A1000 - A6250

6.25 MWh

LARGEST BLOCK

02 • MV POWER SKID

NEXUS

N2500

35 kV

MV OUTPUT

03 • PCS CABINETS

VECTOR

V1250 - V2580

2.58 MW

PER CABINET

04 • TRANSFER CABINET

PULSE

P500 - P2000

≤ 10 ms

TRANSFER

05 • DC-COUPLED SOLAR

HELIOS

H250 - H500

500 kW

SOLAR TO BATTERY

06 • PLANT CONTROLLER

SOLARIS™

ENS

1 s

CONTROL CYCLE

01 · BATTERY STORAGE

APEX

Six systems. One platform.

Liquid-cooled LFP from 1 to 6.25 MWh. AC integrated systems carry the converter and deliver 400 V. DC blocks hand 1 120 – 1 500 V DC to a VECTOR cabinet or a NEXUS skid.



THE RANGE

AC INTEGRATED · PCS INSIDE, 400 V AC OUT · DC BLOCK · BATTERY ONLY, 1 500 V DC

AC INTEGRATED

10 FT



A1000 1 044 kWh

RATED POWER	500 kW
AC OUTPUT	400 V 3P4W
BATTERY STRING	832 V · 728 – 936 V
ENCLOSURE	IP54 · ~ 12.1 t

AC INTEGRATED

20 FT HC



A2000 2 088 kWh

RATED POWER	1 000 or 500 kW
AC OUTPUT	400 V 3P4W
BATTERY STRING	832 V · 728 – 936 V
ENCLOSURE	IP54 · ~ 25.5 t

DC BLOCK

20 FT HC



A3000 3.0 MWh

POWER AT 0.5C	1.50 MW
DC OUTPUT	1 120 – 1 500 V
DURATION	2 · 4 · 6 h
PAIRS WITH	String PCS

DC BLOCK

20 FT HC



A4000 4.0 MWh

POWER AT 0.5C	2.00 MW
DC OUTPUT	1 120 – 1 500 V
DURATION	2 · 4 · 6 h
PAIRS WITH	String PCS · MV skid

DC BLOCK

20 FT HC



A5000 5.0 MWh

POWER AT 0.5C	2.50 MW
DC OUTPUT	1 120 – 1 500 V
DURATION	2 · 4 · 6 h
PAIRS WITH	NEXUS N2500

DC BLOCK

20 FT HC



A6250 6.25 MWh

POWER AT 0.5C	3.13 MW
DC OUTPUT	1 120 – 1 500 V
DURATION	2 · 4 · 6 h
PAIRS WITH	String PCS · MV skid

COMMON TO EVERY APEX SYSTEM

SAME CELL, COOLING, CONTROLS AND COMPLIANCE

CELL
314 Ah LFP · 3.2 V · prismatic

ROUND TRIP, BOL
94.0 % DC · ≥ 88 % AC-AC

CYCLE LIFE TO 70 % SOH
≈ 7 000 · 1 cycle a day

THERMAL
Liquid-cooled · ≤ 3 °C spread

AMBIENT, DC BLOCKS
–30 ... +55 °C · IP55 · C5

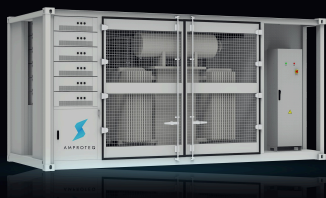
FIRE PROTECTION
Smoke, gas, aerosol

GRID MODES
On-grid · off-grid · hybrid

STANDARDS
IEC 62619 · 62477 · UN38.3

From the battery to the grid. And the controller that runs it.

Every APEX system has a matched converter.
Each product below is factory-integrated,
tested before dispatch and dispatched by
Solaris™ EMS.



NEXUS N2500

02 · MV POWER SKID

Battery in, medium voltage out. 12 × 215 kW PCS and the step-up on one 20 ft skid.

RATED / MAX. POWER	2 500 / 2 750 kW	MV OUTPUT	10 – 35 kV · 2 500 kVA
DC INPUT	1 000 – 1 500 V · 12 × 206 A	LV BUS	690 V AC · 50 / 60 Hz
PCS EFFICIENCY	up to 99 %	THDI · PF	< 3 % · -1 ... +1
ENCLOSURE	20 ft skid · IP54 · ≈ 16 t	OPERATING TEMP.	-30 ... +60 °C



VECTOR V1250 · V2580

03 · PCS CABINETS

Bidirectional, grid-forming PCS in one outdoor cabinet. Onto the LV board, or stepped up to MV.

MODEL	V1250	V2580
RATED / MAX. POWER	1 250 / 1 375 kW	2 580 / 2 838 kW
AC OUTPUT	400 V · LV board	800 V · 3W + PE
DC VOLTAGE	680 – 1 500 V	1 150 – 1 500 V
MODULES	10 × 125 kW	12 × 215 kW
SIZE · AMBIENT	1 900 × 1 800 × 2 300 mm · -25 ... +60 °C	
WEIGHT · IP55	≈ 1 710 kg	≈ 2 500 kg



PULSE P500 · P1000 · P2000

04 · TRANSFER CABINET

Grid, island, genset and bypass in one cabinet. The site rides through an outage in half a cycle.

MODEL	P500	P1000	P2000
RATED / MAX. POWER	500 / 550 kW	1 000 / 1 100 kW	2 000 / 2 200 kW
RATED CURRENT	722 A	1 443 A	2 887 A
TRANSFER	≤ 10 ms · STS	≤ 10 ms · STS	≤ 20 ms · breaker
VOLTAGE	400 V AC · 3W + N + PE · 50 / 60 Hz		
ENCLOSURE	IP21 indoor · IP55 outdoor · 2 100 mm high · -35 ... +50 °C		



HELIOS H250 · H500

05 · DC-COUPLED SOLAR

Solar straight into the battery. Supplied with an APEX A1000 or A2000 and Solaris™ EMS.

MODEL	H250	H500
DC BUS POWER	250 kW	500 kW
MPPT CHANNELS	5 × 160 A	10 × 160 A
PV VOLTAGE	250 V ... battery min. – 20 V	
BATTERY VOLTAGE	600 – 950 V · A1000 / A2000: 728 – 936 V	
WEIGHT, IP21 / IP55	≈ 450 / 660 kg	≈ 750 / 900 kg



SOLARIS™ EMS

06 · PLANT CONTROLLER

Every kilowatt, dispatched. Tariff, battery, solar, genset and load: one controller in every system.

DISPLAY	10.1 in touch · 1280 × 800	SUPPLY	24 V DC nom. · 9 – 32 V DC
FIELD BUS	5 RS-485 · 3 CAN-FD · RS-232	CONSUMPTION	≈ 12 W
NETWORK	4 × LAN, two gigabit	SITE I/O	16 inputs · 8 relays
ENCLOSURE	IP65 front · fanless	OPERATING TEMP.	-20 ... +70 °C

SIZE YOUR PLANT

Send the grid offer.
We return the system.

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