

# ElvaPulse™ 1500

## High-Power / Short-Duration Energy Storage Platform

2.88 MWh | Scalable Power Configuration Platform | 1080–1500 VDC

A modular Fast-response DC block platform engineered for modern grid infrastructure  
Compatible with 1000–1500V PCS architectures

**7.0 MW**

Max. Continuous DC Power

**15,000**

Cycle Life

**>2.5C**

Max. Continuous Discharge



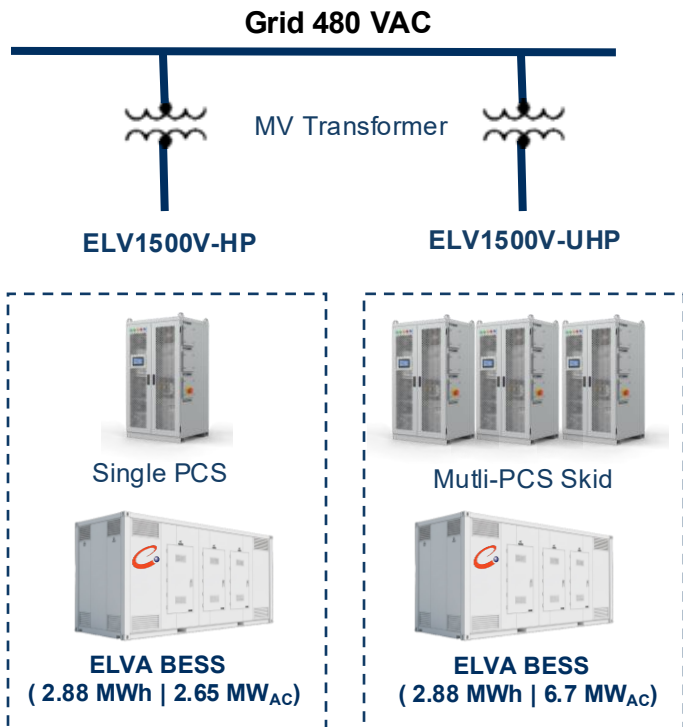
Frequency Regulation | Data Centers | Microgrids | Grid Stabilization

## THE HIGH-POWER STRATEGIC EDGE

The ElvaPulse 1500 platform is a modular 1500V DC block engineered for configurable high-power applications. Available in single-PCS (HP) and scalable multi-PCS skid (UHP) architectures, the platform enables configurable power-to-energy ratios from high-efficiency 1.0C operation to ultra-high-power discharge configurations up to 2.5C.

## ELECTRICAL & DC-SIDE PERFORMANCE

Designed for direct integration with 1500V class inverters architectures.



## CONFIGURATION & POWER CAPABILITY

High-power dynamics delivering optimized short-duration discharge windows.

| Parameter                | ElvaPulse 1500-HP | ElvaPulse 1500-UHP |
|--------------------------|-------------------|--------------------|
| Nameplate Energy         | 2.88 MWh          | 2.88 MWh           |
| PCS Architecture         | Single PCS        | Multi-PCS skid     |
| Continuous DChg AC Power | 2.65 MW           | 6.70 MW*           |
| Peak DChg AC Power       | 2.65 MW           | 9.34 MW            |
| Peak DChg Current        | 2340 A            | 7560 A             |
| Continuous Chg/DChg Rate | 1.0C              | 1.5C/2.5C          |
| Peak Chg/DChg Rate       | 1.0C              | 2.0C/3.5C          |
| RTE (1hr-1hr)            | 95%               | 95%                |

\* Power capability scales with PCS architecture and runtime configuration

[www.electrovaya.com](http://www.electrovaya.com)

## SYSTEM INTERFACE

| Parameter             | Specification            |
|-----------------------|--------------------------|
| PCS compatibility     | 1080 – 1500 VDC          |
| Nominal DC Voltage    | 1332 VDC                 |
| DC Voltage Range      | 1100– 1475 VDC           |
| Continuous DC Current | HP: 2340 A   UHP: 6400 A |

## LIFETIME & BATTERY RELIABILITY

Powered by Electrovaya Infinity Lithium-ion technology designed for ultra-long cycle life and enhanced operational safety.

| Parameter            | Specification                                |
|----------------------|----------------------------------------------|
| Design Lifetime      | 20+ Years                                    |
| Cycle Life (@1C)     | 15,000 Cycles*                               |
| End-Of-Life Criteria | 80% Capacity Retention                       |
| Safety Record        | Zero Incidents in >35,000 batteries deployed |

\* May vary depending on operating conditions

## ENVIRONMENTAL & MECHANICAL

Ruggedized outdoor container architecture designed for harsh environments.

| Parameter          | Specification  |
|--------------------|----------------|
| Enclosure Rating   | IP54 / NEMA ER |
| Cooling Method     | Liquid Cooling |
| Target Compliance* | UL9540, UL1973 |

**INFINITY**  
LITHIUM ION CERAMIC TECHNOLOGY  
by **electrovaya**