

## PowerHouse 2 HD

PowerHouse HD is NHOA Energy power conversion station **designed for utility-scale storage** power plants. Thanks to an **optimized footprint** and a standard containerized solution, installation costs and commissioning time are reduced. Due to the wide DC voltage operating range and three different inverters' AC voltage levels, PowerHouse 2 HD meets a variety of system requirements in terms of battery technology and grid specifications. Its modular and scalable design offers significant reliability advantages over the competitors, exemplified by keeping the system running uninterrupted in case of a single-module failure. The solution is **powered by C-BESSHD**, cutting-edge NHOA Energy proprietary storage inverter featured with **advanced control functions** such as virtual inertia, on-grid and off-grid operations with seamless transition management and power quality capabilities. An integration of PROPHET EMS network is enabled by a dedicated P.EMS controller providing different safety and automation features.

- + High DC Voltage Range, up to 1500 Vdc @ AC Rated Power
- + High reliability thanks to the modular design, up to 16 independent DC inputs
- + Different AC voltage levels are available, 440/550/690 Vac
- + Full four quadrant operation @ AC rated power
- + Forced air cooled, up to 40° C without derating
- + Pre-assembled solution for easy installation and maintenance
- + Designed according to international safety standards IEC 62933 and UL 9540
- + Featured with C-BESSHD advanced control
- + Optimised for vertical integration with EnergyHouse and PROPHET EMS controllers

