PWR.vault 1000K-2070kWh

Container Solution:

PWR.vault 1000K-2070kWh is a plug & play system for managing, converting and exploiting energy in systems with high power demand.
With a nominal capacity of up to 2070 kWh and a maximum power of 1000 kW, the storage enables efficient and long-term use of the stored energy.

The solution is of the containerized type, inside which the electrochemical storage batteries and the electrical power panel are housed, including PCS converters, EMS device, on-board disconnectors and panel protections; all factory pre-wired up to the user side interfaces.

The configuration is available in **23ft High Cube containers**, the modularity on the storage and inverter side and the possibility of connecting several systems in parallel without a maximum limit, make it particularly suitable for outdoor installations with a large surface area and accumulations of **over one MWh per box**.

The AC 400V type system power supply allows On-grid installation and to manage three-phase power from diversified sources (renewable and non-renewable such as generators) for new or retrofit systems, integrating an Energy Storage System even where not initially foreseen.

- Integrated fire suppression system.
- Air conditioning with integrated cell operating temperature control.

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CONTAINER HIGH CUBE	PWR.vault 1000K-2070kWh
BATTERY MODULE	**HM5A180F**
Charge/discharge setting	0.5C
System charge/discharge voltage range [V]	600 / 900
Nominal capacity [kWh]	2070
Maximum power [kW]	1000
Maximum apparent power [kVA]	1000
GENERAL DATA	
Dimension [WxHxD, mm]	7000 x 2896 x 2438
Weight [kg]	22300
Working temperature range [°C]	10 ~ 40
Communication interfaces	CANBUS/Modbus - TCP/IP
Grid Connection Standard	EN 50549-1:2019, G99, VDE 4105, VDE 4110, Synergrid C10/11, TOR Erzeuger Type B, CEI 0-16
Safety standard	UN38.3, UN 3480, IEC62619, IEC62040-1, CE, EMC, LVD, IEC 62477, IEC 61000

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