

Pwr.Vault 500K 1035

Outdoor Solution:

Pwr.Vault 500K 1035 is a plug & play system for managing, converting and exploiting energy in systems with high power demand and storage dimensions which determine deferred use of all the accumulated energy for several hours. Made with a loadbearing structure in powder-coated galvanized sheet metal with insulated and sealed infill panels with IP54 protection rating, inside which are housed the electrochemical storage batteries and the electrical power panel including PCS converters, EMS device that allows you to implement customized management logics (self-consumption, peak shaving, and energy trading), disconnectors on-board and panel protections; all pre-wired from the factory right down to the user-side interfaces.

- Pylontech storage batteries for 0.5C charge/discharge rate;
- 500 kW power and minimum storage size of 1035 kWh in a single configuration;; Expandable sizes with executions on request;
- Possibility of parallel connection to expand the power;
- Integrated fire suppression system;
- Air conditioning with integrated cell operating temperature control.



Dimensions:

Width: 3510 mm
Height: 2464 mm
Depth: 2292 mm

XL Shell 500K 1035 on-grid



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Pwr.Vault 500K 1035	
BATTERY MODULE	HM5A180F
Charge/discharge setting	0.5C
System charge/discharge voltage range [V]	600 / 900
Nominal capacity [kWh]	1035
Maximum power [kW]	500
Maximum apparent power [kVA]	550
GENERAL DATA	
Dimension [WxHxD, mm]	3510x2464x2292
Weight [kg]	11500
Working temperature range [°C]	0 ~ 50 (derating above 45°C)
Grid Connection Standard	EN 50549-1:2019, G99, VDE 4105, VDE 4110, Synergrid C10/11, TOR Erzeuger Type B, CEI 0-21, CEI 0-16
Safety standard	UN38.3, UN 3480, IEC62619, IEC62040-1, CE, EMC, LVD, IEC 62477, IEC 61000

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