



POWERFREE CUBE 2.0

Residential Energy Storage System



Easy Installation

With Easy Transportation



Extend Anytime

Easily Adapts to New Requirements



11.3 - 720 kWh

Tailored Sizing for Each Application



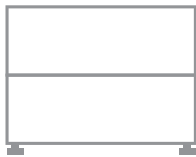
High Power

Power for Every Application

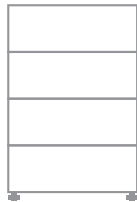
POWERFREE CUBE 2.0

The Powerfree Cube 2.0 is a lithium iron phosphate (LFP) battery for use with an external inverter.

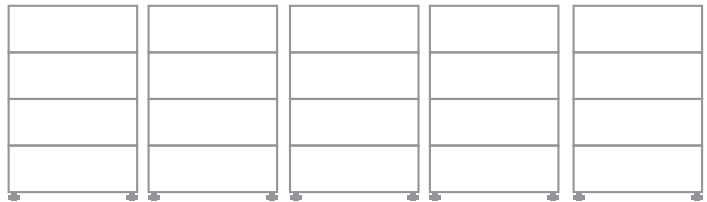
Thanks to its control and communication unit (BMU), the Powerfree Cube 2.0 scales to meet the project requirements, no matter how large they may be. Start with Powerfree Cube 2.0-11.3(11.264 kWh) and extend later to 720kWh using parallel interconnection of up to 64 batteries.



11.3

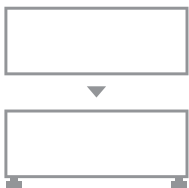


2 x 11.3

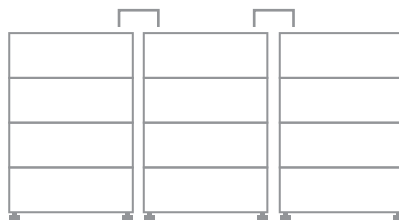


64 x 11.3

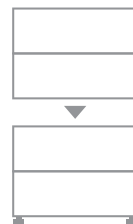
FLEXIBLE, EFFICIENT, SIMPLE



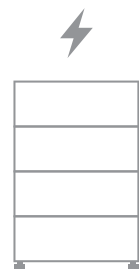
Easy Installation
With Easy Transportation



11.3 - 720 kWh
Tailored Sizing for Each
Application



Extend Anytime
Easily Adapts to New
Requirements



High Power
Power for Every Application



Powerfree Cube2.0

TECHNICAL PARAMETERS

Number of Modules	2
Usable Energy	11.264 kWh
Max Cont. Output Current	110 A
Peak Output Current	165 A, 5 s
Dimensions (H/W/D)	660 x 650 x 575 mm
Weight	168 kg
Nominal Voltage	51.2 V
Operating Voltage	40-57.6 V
Operating Temperature	-10 °C to +50 °C
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)
Communication	CAN
Enclosure Protection Rating	IP20
Round-trip Efficiency	≥95%
Scalability	Max. 64 in Parallel (720 kWh)
Certification	IEC62619 / CE / CEC / UN38.3
Applications	ON Grid / ON Grid + Backup / OFF Grid
Warranty	5 Years+
Compatible Inverters	Refer to Powerfree Cube 2.0 Configuration List

[1] DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at + 25 °C. System usable energy may vary due to system configuration parameters.

[2] Charge derating will occur between -10 °C and +5 °C

[3] Conditions apply. Refer to Pand Powerfree Cube 2.0 Warranty Letter.