

Technical Datasheet

Model # ENP51200

Residential ESS - Slim Series

BETA+



Reliable Low Voltage Energy Storage Systems

-  Residential Applications
-  Small Commercial and Industrial Applications
-  Micro Off Grid System

-  Superior Efficiency
Experience maximum efficiency with up to 90% usable energy.
-  IP65 Protection Rating
Water- and dust-resistant, designed to withstand harsh environments.
-  Flexible Investment Options
Supports up to 32 units in parallel, with a total capacity of up to 326 kWh.
-  Exceptional reliability
Our LFP-based battery technology ensures consistently high performance.
-  Expandable Capacity
Effortlessly combine multiple units to increase energy output as needed.
-  Enhanced Safety Features
Intelligent temperature control guarantees battery safety and longevity.
-  Eco-friendly Design
Free of heavy metals and corrosive materials for minimal environmental impact.
-  Extended Service Life
Optimized cycle life exceeds 6000 cycles for long-lasting reliability.
-  Effortless Installation
Modular design allows for quick and seamless integration.

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Auto ID



Automatically assign any host



Smart Temperature Control



Smart parallel technology compatible with batteries with different SOC and voltages

High energy demand in the morning and evening but solar generation is most efficient during the mid day. Energiecel Battery storage systems balance the feeding and demands. Realize your grid independence.

Application Scenarios

- Residential Applications
- Small Commercial or industrial application
- Micro off-grid systems

Technical Specification

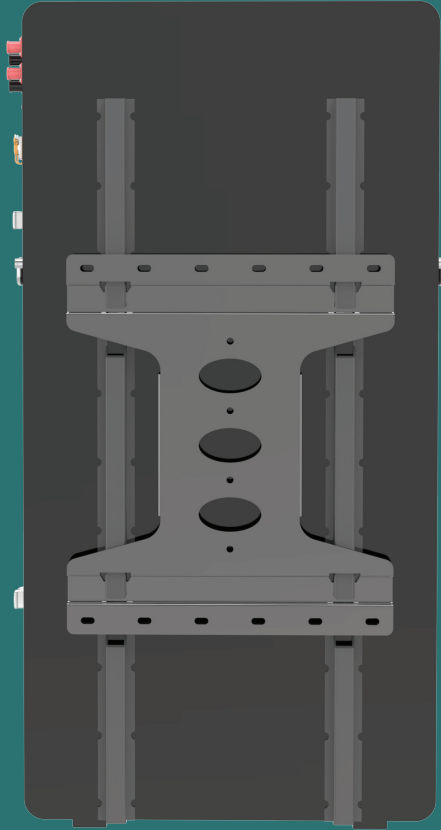
Model no	ENP51200
Battery Module energy	10.2kWh
Useable Energy	10kWh
Max output power	8kW
Peak Output Power	10kW
Nominal voltage	51.2V
Operating Voltage Range	43.2V-57.6V
Dimension(W/D/H)	600x110x1200mm
Weight(included floor and stand toolkit)	84Kg
Installation	Floor mount , Wall mount
Operating Tempertaure	-10 C~ + 55C
Operating altitude	0-3,000 m (Derating above 2,000 m)
Environment	InDoor
Relative humidity	5%~95%
Cooling	Natural Convection
Protection rating	IP65
Noise Emission	0 dB
Cycle Life	>6000 (@25C, DoD 90%)
Display	SOC Status indicator LED Indicator
Cell Technology	Lithium iron phosphate (LiFePo4)
Scalability	Max 32 Systems in parallel operation
Communication Ports	CAN / RS485
Warranty	5 Years Standard (10 Years Optional)

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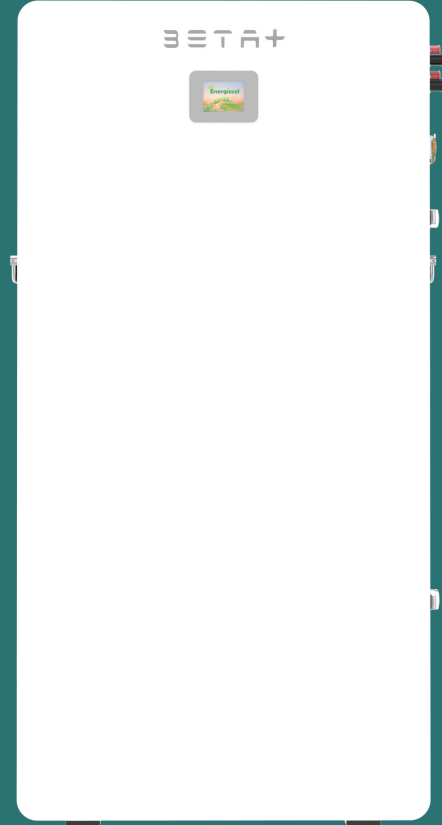
Multiple Placements

BETA+

Fast and Easy placement, save time and place.



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