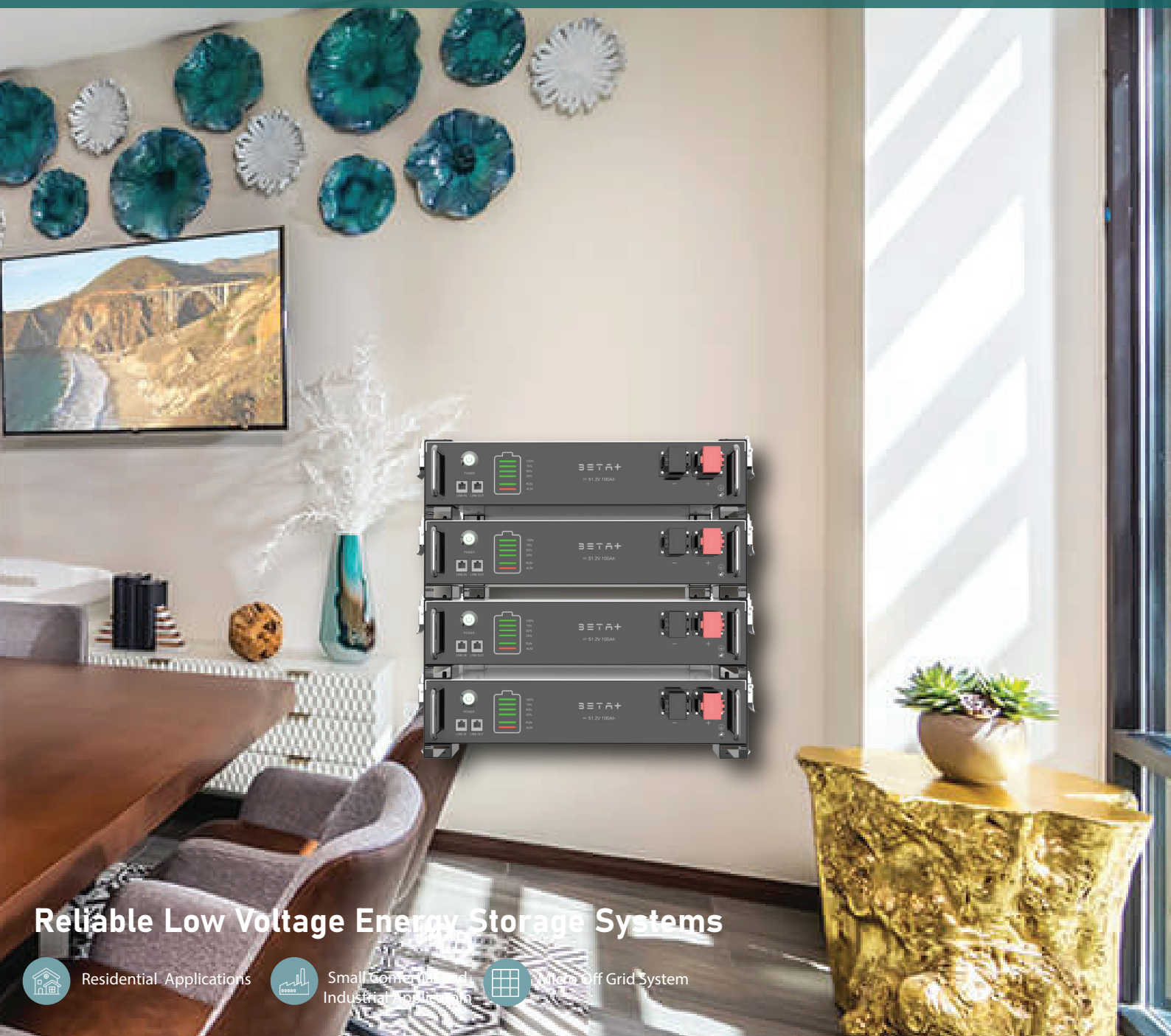


Technical Datasheet

Model # ENP51100

Residential ESS - Slim Series



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.



IP20 Protection Rating
Modular designer, natural cooling, indoor use



Flexible Investment Options
Supports up to 64 units in parallel, with a total capacity of up to 327 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.

Model # ENP51100

Residential ESS - Slim Series



-  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. Energicel 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	ENP51100
Battery Module energy	5.12kWh
Useable Energy	5kWh
Max output power	5kWh
Peak Output Power	5.6kW
Nominal voltage	51.2V
Operating Voltage Range	43.2V-57.6V
Dimension(W/D/H)	478x550x89mm
Weight(included floor and stand toolkit)	42Kg
Installation	Rack Mount , Wall mount , Stack mount , Floor 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	IP20
Noise Emission	0 dB
Cycle Life	>6000 (@25C, DoD 90%)
Display	SOC Status indicator LED Indicator
Cell Technology	Lithium iron phosphate (LiFePo4)
Scalability	Max 64 Systems in parallel operation
Communication Ports	CAN / RS485
Warranty	5 Years Standard (10 Years Optional)

Model # ENP51100

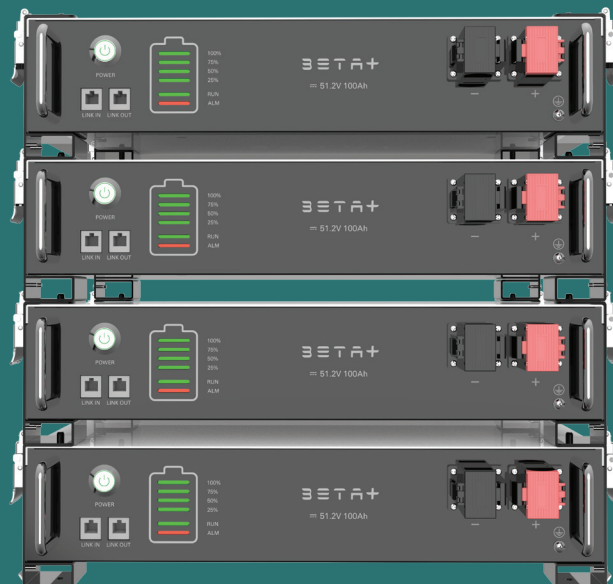
Multiple Placements



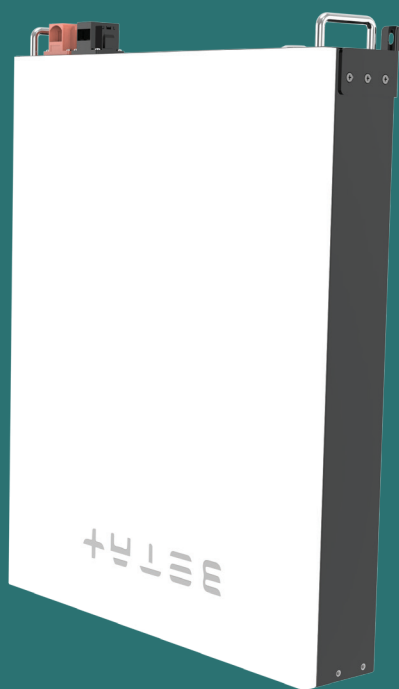
Fast and Easy placement, save time and place.



Rack Mount



Stack Mount



Wall Mount