

DEFENDER SERIES

Critical Power. Zero Compromise

512V-100Ah-1C

512V-100Ah-4C

614V-100Ah-4C



Instantaneous Switching

- Built for UPS and critical infrastructure backup, the Defender Series ensures zero-interruption power with instantaneous switch-over to battery during outages — essential for data centers, IT rooms, and precision systems.

Intelligent BMS with Deep Lifecycle

- Self-developed BMS provides real-time monitoring via LCD, Alarm & multi-layer protection and optimised battery health
- Lifecycle: Up to 3500 cycles @50% DoD, ensuring long-term reliability.

High-Energy Density & Scalability

- Available in 51.2 kWh and 61.4 kWh modules.
- Parallel up to 12 clusters to scale power output beyond 2 MW for enterprise-level deployments.

Rack-Mountable & Compact

- Fully enclosed, modular cabinet design (600×850×2000 mm).
- Simple to install, rack-integrated, and designed for space-constrained environments.
- Optional customization available for tailored deployments.

Defender Series Technical Parameters

Model	512V-100Ah-1C	512V-100Ah-4C	614V-100Ah-4C
Nominal voltage	512 V dc	512 V dc	614 V dc
Nominal energy	51.2 kWh	51.2 kWh	61.4 kWh
Nominal capacity	100 Ah	100 Ah	100 Ah
Max. continuous discharge current	100 A	400 A	400 A
Max. continuous charge current	100 A	100 A	100 A
Max. continuous output power	51.2 kW	204 kW	245.6 kW
Cycle life	2500 cycles (80% DOD), 3500 cycles (50% DOD)		
System dimension	600*850*2000 mm		
System weight	≈780 kg	≈845 kg	≈900 kg



- * The actual product may differ slightly from the pictures.
- * The specifications are subject to change without prior notice.