

Residential Battery

Tower 2800 | High Voltage



Safe and Durable

The LFP battery cells offer 6,000 cycles of longevity and an IP65 rating for enhanced safety, ensuring reliable performance in any conditions.



Flexible and Expandable

With a 2.7 kWh modular design, each cluster supports up to 7 packs for versatile energy solutions.



Hassle-Free Setup

Enjoy the convenience of plug-and-play installation—no external wiring required.



Mielec | Care

Enjoy effortless post-purchase support — register warranties, request services, and access repair resources all in one place.

Datasheet

CE UN38.3 IEC



Model	Tower 2800-2 Tower 2800-7	Tower 2800-3	Tower 2800-4	Tower 2800-5	Tower 2800-6
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Performance

Cell technology	LFP (LiFePO ₄)				
Battery module	2.76 kWh				
Number of modules	2	3	4	5	6
	7				
	5.53 kWh	8.29 kWh	11.06 kWh	13.82 kWh	16.59 kWh
	19.35 kWh				
Nominal voltage	115.2 V	172.8 V	230.4 V	288 V	345.6 V
	403.2 V				
	104.4–132.4V	156.6–198.7V	208.8–264.9V	261.0–331.2V	313.2–397.4V
Operating voltage	365.4–463.6V				
Max charge and discharge current [2]	24 A				

Communication

Display	BMS Module 6xLED, Battery Module 1xLED				
Communication	CAN				

General Specification

Dimension (WxDxH)	570x350x380 mm	570x470x380 mm	570x590x380 mm	570x710x380 mm	570x830x380 mm
	570x950x380 mm				
Weight	65±1 kg	95.5±1.5 kg	126±2 kg	157±2.5 kg	187±3 kg
	217±3.5 kg				
Installation	Floor stand				
Operating temperature [3]	Charge: 0–55°C / Discharge: -10–55°C				
Environmental humidity	95%RH (No condensation)				
Ingress protection rating	IP 65				
Cycle life [4]	6000 Cycles or ten (10) years				
Scalability	up to 7 modules				
Application	ON Grid / ON Grid + Backup / OFF grid				
Cooling Method	Convection				