

The logo for conow, featuring the word "conow" in a white, sans-serif font. The letter "o" is replaced by a colorful circular icon with a rainbow gradient.

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tuya

Lyra 2500 AC



INTRODUCTION

The Lyra 2500 AC combines an all-in-one design that allows for easy integration into various spaces, adapting to your specific energy needs. It supports dynamic electricity pricing and real-time power management, while its AC-input charging enables reliable grid-based backup or peak-shaving operation. It's powered by AI-driven insights that optimize charging schedules, predict maintenance needs, and enable imbalance-market trading.

HIGHLIGHT

- Compatible With All Micro-inverters
- Supports parallel operation
- Energy Smart Home
- Plug and play, power anywhere
- AI-powered System
- Imbalance Market Trading

Specification

Model	CME06-2BM250	CME06-2BM250-07	CME06-2BM250-08
Battery Data			
Capacity	2560 Wh		
Voltage Range	21.6 V - 28.8 V		
Rated Voltage/Capacity	25.6 V/100 Ah		
Rated Power (Single device)	1500W		
Life Cycle (Times)	> 6000 (25°C)		
Battery Type	LiFePO4		
On-grid Teminal (AC)			
Input Power	Max. 2400 W		
Output Power	1500 W	799 W	800 W
Output Voltage Range	230VAC		
AC Frequency	50 Hz		
Max. Intput Current	10.5 A		
Max. Output Curent	6.6 A	3.5 A	3.5 A
Power Factor	0.8 lagging - 0.8 leading		
Off-grid Teminal (AC)			
Rated Output Power	Single-unit: 1500 W; Parallel-unit: 2400 W		
AC Output Current	Max. 10.5 A		
Output Voltage /Frequency	230 VAC/50 Hz		
Backup Output Peak	3000 W		
EPS Switching Time	≤ 10 ms		
Environmental and Mechanical			
Communication	Wi-Fi & Bluetooth; RS485		
Storage Temperature Range	-20°C to +55°C		
Operating Temperature Range	-20°C to +55°C		
Operating Humidity	≤ 85%RH (non-condensation)		
Storage Humidity	10% - 85%RH (non-condensation)		
Enclosure Rating	IP65		
Cooling Mode	Natural convection		
Dimensions	440 mm × 260 mm × 252 mm		
Warranty	10 Years		
Weight	28±0.5 kg		
Efficiency			
Max. Output Efficiency	94.8%		
Battery Charge Efficiency	94.5%		