

Spark 2 kWh Portable Power Station



Model

ZT-P ESS-2k



Extended capacity for longer backup duration



314Ah high density LFP battery, 3000-cycle long lifespan



8-layer BMS protection for safe operation



Fast AC and solar charging when grid is available



UPS power with ≤ 20 ms transfer time

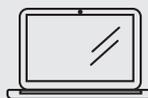


AC full charge:
2+ hours



Solar full charge:
4+ hours

Longer outages · Home backup · Solar & ToU optimization



Model	ZT-PESS-2k
Battery	
Cell Chemistry	LFP
Rated Capacity	2009.6 Wh
Rated Voltage / Capacity	6.4V, 314Ah
Cycle Life	≥3000 cycles @ 80% DOD
BMS Protection	8-layer protection:Over-current / Short-circuit / Over-temp / Under-voltage / Over-voltage / Reverse current / Cell balancing / Lightning protection
Output	
Max AC Output Power	1000W
AC Output Ports	220V × 2
USB-C Ports	2 × (12V/1.9A)
USB-A Ports (Qty & Max Power)	2 × (5V/2A)
DC port	DC5521, 12V / 2A
Input	
AC Input	185–230V / 50–60Hz
DC / Solar Input	MPPT, 500W, 10–55V
General	
Net Weight (Approx.)	28 kg
Dimensions	350 × 250 × 324 mm
IP Rating	IP22
Operating Temp (Charge / Discharge)	–20°C to 45°C
Operating Humidity	5–98% (Non-condensing)
UPS Function	≤20ms
Display	Indicator LEDs