

Spark 4 kWh Portable Power Stations

Model

ZT-PESS-4k Pro



High-capacity,
high-power portable backup



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



Supports longer backup with
greater peace of mind



Maintains portability for flexible deployment



UPS power (4 kWh model)
with ≤ 20 ms transfer time

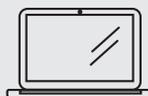


AC full charge:
1.5+ hours



Solar full charge:
1.5+ hours

Longer outages · Home backup · Solar & ToU optimization



Model	ZT-PESS-4k Pro
Battery	
Cell Chemistry	LFP
Rated Capacity	4019 Wh
Rated Voltage / Capacity	12.8V, 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	3kW (Rated, peak 4.5kW)
AC Output Ports	220V ×3
USB-C Ports	1 × USB-C PD (140W)
USB-A Ports (Qty & Max Power)	2 × (5V/2A, 10W)
Car Output (Cigarette Lighter)	12.8V / 20A (Optional 40A)
Input	
AC Input	185–230V / 50–60Hz
DC / Solar Input	MPPT, 3kW, 12–60V
General	
Net Weight (Approx.)	30 kg
Dimensions	465 × 335 × 265 mm
IP Rating	IP22
Operating Temp (Charge / Discharge)	–20°C to 55°C
Operating Humidity	5–99% (Non-condensing)
UPS Function	≤20ms
Display	LCD Display
Integrated Light	15W LED emergency light (≥200h)