

# Spark 5 kWh Portable Power Stations

Model

ZT-PESS-5k



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  $\leq 20$  ms transfer time

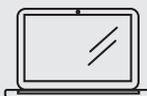


AC full charge:  
**1.8+ hours**



Solar full charge:  
**18+ hours**

Longer outages · Home backup · Solar & ToU optimization



Model	ZT-PESS-5k
<b>Battery</b>	
Cell Chemistry	LFP
Rated Capacity	5024 Wh
Rated Voltage / Capacity	16V, 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
<b>Output</b>	
Max AC Output Power	3kW (Rated, peak 4.5kW)
AC Output Ports	220V ×4
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)
<b>Input</b>	
AC Input	185–230V / 50–60Hz
DC / Solar Input	MPPT, 300W, 18–55V
<b>General</b>	
Net Weight (Approx.)	40 kg
Dimensions	515×335×265 mm
IP Rating	IP22
Operating Temp (Charge / Discharge)	–20°C to 55°C
Operating Humidity	5–100% (Non-condensing)
Display	LCD Display
Integrated Light	15W LED emergency light (≥200h)