

Spark 1 kWh Portable Power Station



Model

ZT-PESS-D-1k



Compact size,
easy one-hand carry



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



Easy solar recharge,
about 7+ hours to full



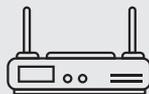
Ideal for DC devices and
digital electronics



Solar full charge:
7+ hours

Model	ZT-PESS-D-1k
Battery	
Cell Chemistry	LFP
Rated Capacity	1004.8 Wh
Rated Voltage / Capacity	3.2V, 314Ah
Cycle Life	≥3000 cycles @ 80% DOD
BMS Protection	Under-voltage / Over-voltage
Output	
USB-C Ports	22.5W
USB-A Ports (Qty & Max Power)	2 × (5V/3A, 9V/2.22A, 12V/1.67A)
Car Output (Cigarette Lighter)	180W
DC port	DC5525, 12V / 15A
Input	
DC / Solar Input	MPPT, 200W max, 18–60V
USB-C Input	22.5W
General	
Net Weight (Approx.)	7–8 kg
Dimensions	225 × 165 × 240 mm
IP Rating	IP22
Operating Temp (Charge / Discharge)	-20°C to 50°C
Operating Humidity	5–95% (Non-condensing)
Display	Indicator LEDs

Short power outages · Mobile work · Outdoor use



All specifications are for reference only. Dimensions and weight are approximate and subject to change as product design is finalized.