

THOR ⚡ 1800

Portable Power Station

HYUNDAI
POWER PRODUCTS



Product Features

Stock code: HEPS-1800N

- Bidirectional technology enables fast charging in just 90 minutes.
- Monitor and control the unit using a smartphone app.
- UPS functionality provides emergency backup power (EPS) within 10 ms.
- Intelligent internal air-cooling system.
- Durable aluminum-alloy construction.
- Automatically detects 50/60 Hz input frequency and matches AC output frequency.

Product Overview



Technical Specifications

BATTERY TYPE	CYLINDRICAL ALUMINUM-CASED LiFePO4 BATTERY
ENERGY CAPACITY	1229 Wh
AC OUTPUT (INVERTER MODE)	1800 W TOTAL (3000 W PEAK), 220-240 V~, 50/60 Hz, 12 A × 3
CYCLE LIFE	4000 CYCLES
DEPTH OF DISCHARGE (DOD)	80%
USB-A1/A2 OUTPUT	5V/3A, 9V/2A, 12V/1.5A, 18W MAX.
USB-A3/A4 OUTPUT	5V/2.4A, 12W MAX.
USB-C1/C2 OUTPUT	5/9/12/15V 3A, 20V/5A, 100W MAX.
DC5521 OUTPUT	12.6V, 3A × 2
CAR SOCKET OUTPUT	12.6V/10A, 126W MAX.
AC OUTPUT (BYPASS MODE)	220-240V~, 50/60Hz, 1800W MAX., 10A MAX.
AC INPUT POWER	1800W MAX., 10A
AC INPUT VOLTAGE	220-240V~ (50/60Hz)
CAR CHARGING INPUT	12V/24V, DC 8A (DEFAULT)
PV CHARGING INPUT	400W MAX., 13-45V, 12A
WEIGHT	22 kg
DIMENSIONS	432 × 270 × 300 mm



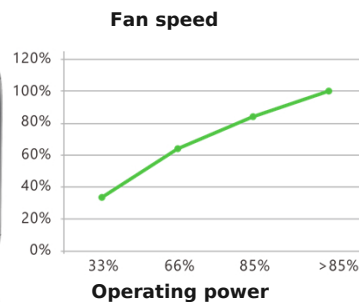
Solar Panel Charging Supports 400 W solar charging, with an estimated charging time of 4 hours. Supports combined AC and PV charging (PV + AC: 1200 W).



Smart App Control Monitor data and update software via the smartphone app over Wi-Fi/Bluetooth.



Fan
Intelligent air-cooling system (internal fan)



LiFePO4 Battery Cells

- LiFePO4 battery cells
- UL1973 certification (energy storage battery safety standard)
- Battery life: 3,000 cycles at over 80% capacity.



P-Boost
When the power station needs to run high-power appliances, the inverter intelligently regulates output power and maintains stable real power for reliable operation.

UPS (Uninterruptible Power Supply)
The UL1778-certified UPS provides backup power to essential devices within 10 ms of an outage. AC output automatically reconnects to mains power when it is restored.





Bypass Mode
Supports AC bypass operation.
When mains power is available, it
feeds the AC output. If mains power
fails, the battery supplies power.

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