

ALPS Series

Battery 4.8kWh



- The ALPS series battery offers a compelling blend of **affordability** and **performance**.
- Harness renewable energy, reduce reliance on the grid, and enjoy **significant savings** on electricity bills.
- Seamlessly integrate with your existing setup and take control of your energy usage, empowering your **energy independence** efficiently and economically.

MEET THE POLAR ESS 4.8KWH BATTERY.

- Over-charging / discharging protection
- Over-current protection
- Over and under temperature protection
- Short-circuit protection
- Clever battery reverse protection function





SCALABLE

Run up to 16 batteries in parallel – for a usable capacity of over 70kWh.



FLEXIBLE

Rack-mounted or floor-standing, suitable for retrofit projects, new solar projects, or as a standalone battery.



DURABLE

High safety LFP battery cell, built to last, with a design life of 6000 cycles.



AFFORDABLE

Coming to you at 50-60% of the cost of the industry heavies.

| Model | | ALPS BA4.8 |
|--|---------------------------------|------------|
| Nominal Voltage (Vdc) | 48 | |
| Voltage Range (Vdc) | 42~ 54 | |
| Nominal Capacity (Wh) | 4800 | |
| Recommended Charge /Discharge Current(A) | 50 | |
| Charge /Discharge Current(A) | 100 | |
| | 100~120 @15mins | |
| | >120 @15sec | |
| Communication Port | RS232,RS485,CAN | |
| Working Temperature (Charge) | 0~50 C | |
| Working Temperature (Discharge) | -10~50 C | |
| Storage Temperature | -20~60 C | |
| Protection Class | IP20 | |
| Humidity | 5% ~ 95%(RH) No Condensation | |
| Altitude | <4000m | |
| Cycle Life | 6,000 (25 C) | |
| Standard | CE/UN38.3 | |
| Number of Parallel Batteries (Max.) | 16 | |
| Dimensions(D x W x H) | 505 x 134 x 440mm | |
| Weight (kg) | 45.1 | |
| Installation | Rack Mounting or Floor Standing | |
| Technology | Lithium-ion | |