

ALPS Series**Battery 5.2kWh**

It's **sturdy**,
it's super great
value,
and it's **safe** as
houses.

**MEET THE POLAR ESS
5.2KWH 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 a max of 5 batteries in parallel
– for a capacity of over 25 kWh

FLEXIBLE

Suitable for retrofit projects, new solar
projects, or as a standalone battery

DURABLE

Built to last, with a design life of 15+
years or 6000 cycles

AFFORDABLE

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



Model	ALPS BA5.2
Voltage Range (Vdc)	48 ~ 57.6
Nominal Capacity (Wh)	5120
Usable Capacity (Wh)	4780
Charge/Discharge Current (A)	100
	100 ~ 120 @ 15 mins
	>120 @ 15 secs
Depth of Discharge	92%
Communication Port	RS485, CAN, RJ45
Working Temperature (Charge)	0 ~ 50°C
Working Temperature (Discharge)	-20 ~ 60°C
Storage Temperature	-20 ~ 60°C
Protection Class	IP20
Humidity	5% ~ 95% (RH) No Condensation
Altitude	<4000m
Cycle Life	6000 (25°C)
Standard	CE/UN38.3
Number of Parallel Batteries (Max)	5
Dimensions (D x W x H)	505 x 134 x 440 (mm)
Weight	45kg
Installation	Rack mounting or floor standing
IP Grade	IP20
Warranty	3 Years
Technology	LiFePO ₄
Design Life	>10 years