

ALPS Series

Hybrid Inverter 3.6 / 6.0 kW

Affordable, yes.

Reliable, yes.

An absolute
champ of a
product? Also yes.

MEET THE POLAR ESS **HYBRID INVERTER.**

- A solar inverter and a battery inverter in one tidy little unit
- Two power capacity options, to meet your power needs
- Can be neatly installed in a standard server rack
- Supports voltage balancing function during charging
- Displays key info like charging/discharging voltage and current

SCALABLE

Supports multiple parallel operations, so you can scale as you like

ECONOMICAL

Seriously high cost-performance ratio (aka, bang for your buck)

LINKABLE

Connect your third-party devices via dry contact or DI port

AFFORDABLE

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



Model	ALPS HY3.6-GL	ALPS HY6.0-GL
Max. DC Input Power (W)	5400W	9000W
Start-up Voltage		98V
Max. PV Voltage		550V
MPPT Range		90V - 500V
Nominal Voltage		360V
Max. Short Current		23A/23A
Max. Input Current		16A/16A
MPPT Tracker/No. of Strings per MMP Tracker		2/1
Battery		
Battery Type		Li-ion/Lead-Acid
Battery Voltage Range		42 - 60V
Nominal Voltage		48V
Charge/Discharge Current	80A/80A	125A/125A
Max. Battery Charge/Discharge Power (W)	3600W/3600W	6000W/6000W
Communication Interface		CAN
Output Data (AC)		
Nominal AC Output Power	3600W	6000W
Max. Apparent Power Output to Utility Grid (VA)	3600VA	6000VA
Max. Output Current	16VAC	26VAC
Nominal Voltage/Range		230VAC; 184 - 260VAC
Frequency Range		50±5Hz
Power Factor (Full Load)		±0.99
Power Factor Range		0.85 lagging - 0.85 leading
THDI (Nominal Power)		<3%
Backup		
Nominal EPS Output Power	3600W	6000W
EPS Peak Power (10s)	5400VA	9000W
Nominal Voltage		238VAC
Max. Output Current	16A	26A
Nominal Frequency		50Hz
Automatic Switch Time		<10ms
THDv (Linear Load)		<3%
General		
Battery Charge/Discharge Efficiency		94%/94%
PV Max. Efficiency		97.60%
Dimensions (W x D x H)	420 x 195 x 475 (mm), 460W (mm) inc. PV Isolator	
IP Grade		IP20
Noise Emission (typical)		<45dB
Operating Temperature Range		-25-+60°C
Full Load Operation Temperature Range		-25-+45°C
Warranty		5 years