







HYBRID INVERTER


ALPS Cube Pro Hybrid Inverter 3.6/4.6/5.0/6.0KW


 2 MPPTs, with max.9kW PV input.

 6kW AC output, with on/off grid, 1.5 times overload ability (10s).

 Touchable LCD, and advanced cloud platform.

 Die casting integrated IP65 fanless silent design.

 6 units in parallel, on/off-grid synchronous application.

 Plug and play.

Model	ALPS Cube HY3.6 Pro	ALPS Cube HY4.6 Pro	ALPS Cube HY5.0 Pro	ALPS Cube HY6.0 Pro
Input Data (PV)				
Max. DC Input Power	5400W	6900W	7500W	9000W
Start-up Voltage	80V			
Max. PV Voltage	600V			
MPPT Range	90V-550V			
Nominal Voltage	360V			
Max. Short-circuit Current	2*23A			
Max. Input Current	17A/17A			
MPPT Tracker/ No. of Strings Per MPPT Tracker	2/1			
Battery				
Battery Type	Li-ion/Lead-acid			
Battery Voltage Range	46.7-57.6V			
Nominal Voltage	51.2V			
Charge/ Discharge Current	83A/83A	104A/104A	112A/112A	120A/120A
Max. Battery Charge/ Discharge Power	4000W/4000W	5000W/5000W	5400W/5400W	5800W/5800W
Communication Interface	RS485/CAN			
Output Data(AC, On-grid)				
Nominal AC Output Power	3600W	4600W	5000W	6000W
Max. Apparent Power	3600VA	4600VA	5000VA	6000VA
Max. Output Current	16A	20A	21.7A	26A
Nominal Grid Voltage/Range	230V.a.c; 180--270V.a.c			
Nominal Frequency/Range	50 /60Hz; ±5Hz			
Power Factor (@Full Load)	>0.99			
Power Factor(@Full Load)	0.8 Lagging - 0.8 Leading			
THDi (@Rate Power)	<3%			
AC Output Type	Single Phase;L+N+PE			
Output Data(AC, Back-up)				
Nominal EPS Output Power	3600W	4600W	5000W	5500W
Nominal Voltage	230Va.c.			
Rated/Max. Output Current	16Aa.c.	20Aa.c.	21.7Aa.c.	26Aa.c.
Nominal Frequency	50/60Hz			
Automatic Switch Time	≤10ms			
THDv (Linear Load)	<3%			
General Data				
PV To AC Max. Efficiency	97.60%			
Euro Efficiency	97%			
PV MPPT Efficiency	99.90%			
Ingress Protection	IP65			
Protective Class	Class I			
Noise Emission (Typical)	<30dB			
Operating Temperature Tange	-20~+60 C			
Cooling	Natural			
Relative Humidity	0~100%, Non-condensing			
Max. Altitude	4000m (Derating Above 2000 m)			
Dimensions (WxHxD)	480×560×210(mm)			
Weight	30kg			
Topology	Transformerless			
Interface	Communication With Meter--Pluggable Connector Communication With Portal--Wi-Fi(USB)or LAN			
Monitoring	WIFI/LAN/4G(Optional)			
Display LCD	LED/LCD+APP			
Certificates	CE, UKCA, NTS2.1, UNE217001, UNE 217, NRS097, G98, G99, EN50549, C10/11, VDE-N4105, NTS2.1, UNE217001, AS4777.2			
Warranty	5 Years			