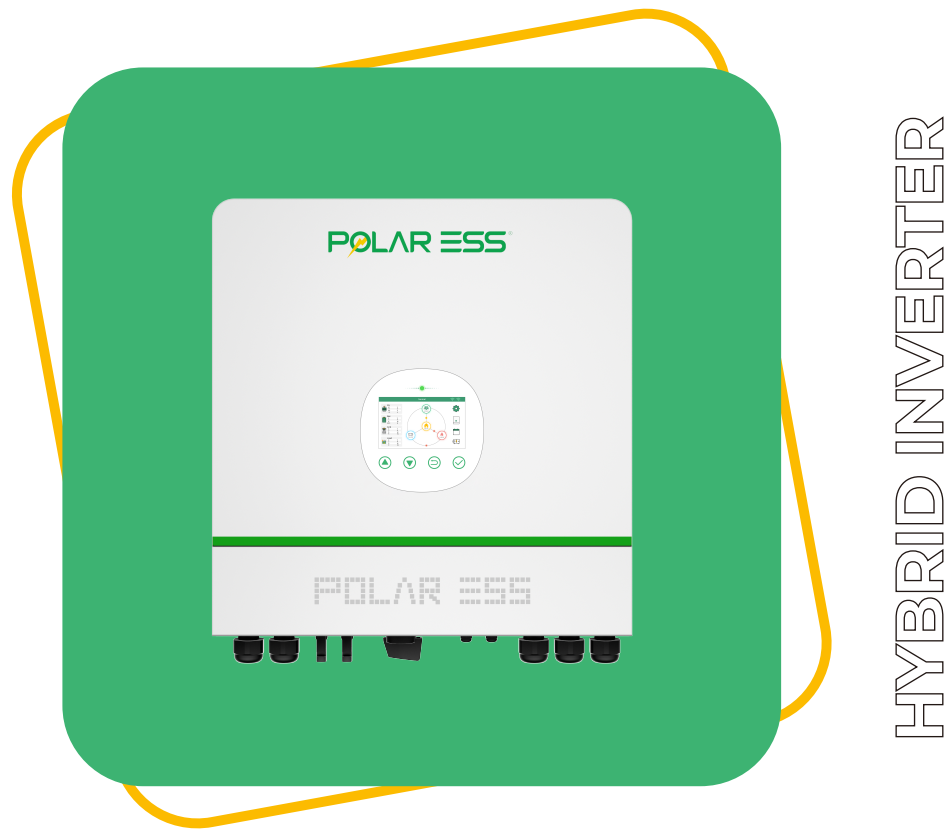




POL Hybrid Inverter

3.6/4.6/5.0/6.0/8.0KW

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2 MPPTs, with max.12kW PV input.
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8kW AC output, with on/off grid, 2 times overload ability (10s).
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Touchable LCD, and advanced cloud platform.
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10 section battery time settings, free deployment of the use period.
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Max. 6 units in parallel, on/off-grid synchronous application.
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Integrated with Gen port, support diesel generator, and smart load.

Model	POL-HY-3.6-GL	POL-HY-4.6-GL	POL-HY-5.0-GL	POL-HY-6.0-GL	POL-HY-8.0-GL
Input Data (PV)					
Max. DC Input Power	5400W	7000W	7500W	9000W	12000W
Max. PV Open-circuit Voltage	550V				
Start-up Voltage	90V				
MPPT Voltage Range	90V-530V				
Rated MPPT Voltage	360V				
Max. PV Input Current	17A/17A				20A/20A
Max. PV Short-circuit Current	23A/23A				
MPP Tracker/No. of Strings Per MPP Tracker	2/1				
Battery					
Battery Type	Li-ion/Lead-acid				
Battery Voltage Range	40-60V				
Max. Charging Current	83A	104A	112A	130A	175A
Max. Discharging Current	83A	104A	112A	130A	175A
Nominal Voltage	51.2V				
Battery Communication	RS485/CAN				
Output Data(AC, On-grid)					
Rated/Max. AC Output Power	3600W	4600W	5000W	6000W	8000W
Max. Apparent Power	3600W	4600W	5000W	6000W	8000W
Nominal Grid Voltage/Range	230V.a.c; 180--260V.a.c				
Rated/Max. Current	16Aa.c.	20Aa.c.	21.7Aa.c.	26Aa.c.	34.7Aa.c.
Pass Through Current (From Grid To Off Grid)	50Aa.c.				
Nominal Frequency/Range	50Hz/60Hz; ±5Hz				
Power Factor(@Full Load)	>0.99				
Power Factor Adjustable Range	0.8lagging-0.8leading				
THDi (@Rate Power)	<3%				
AC Output Type	Single Phase; L+N+PE				
Output Data (AC, Backup)					
Nominal EPS Output Power	3600W	4600W	5000W	6000W	8000W
EPS Peak Power(10s)	2 Times Of Rated Power, 10s				
AC Nominal Voltage	230Va.c				
Rated/Max. Output Current	16Aa.c.	20Aa.c.	21.7Aa.c.	26Aa.c.	34.7Aa.c.
Nominal Frequency	50/60Hz				
Automatic Switch Time	±10ms				
THDv(Linear Load)	<3%				
General Data					
Battery Max. Charging/Discharging Efficiency	94%/94%				
PV To AC Max. Efficiency	97.5%				
Euro Efficiency	96.5%				
PV MPPT Efficiency	99.9%				
Ingress Protection	IP65				
Noise Emission (Typical)	<30dB	<30dB	<30dB	<30dB	<45dB
Operating Temperature Range	-25--+60 C				
Full Load Operation Temperature	-25--+45 C				
Storage Temperature	-10--+45 C				
Cooling	Natural				Intelligent Cooling
Max. Altitude	4000m(Derating Above 2000 m)				
Dimensions (WxHxD)	480x500x210(mm)				
Weight	18kg				20kg
Max. Parallel Units	6				
Self-consumption	<10W				
Protective Class	Class I				
Overvoltage Category	PV: II, Battery: II, AC: III				
Topology	PV: Transformer-less; Battery: Isolated				
Display	LCD/LED&APP				
Interface	Communication With Meter--Pluggable Connector Communication With Portal--Wi-Fi(USB)				
Monitoring	WIFI/4G Optional				
Certificates	CE, EN50549, UKCA, NTS2.1, UNE217001, UNE 217, NRS097, G98, G99,C10/I1, VDE-N4105, NTS2.1, UNE217001, AS4777.2				
Warranty	5 Year				