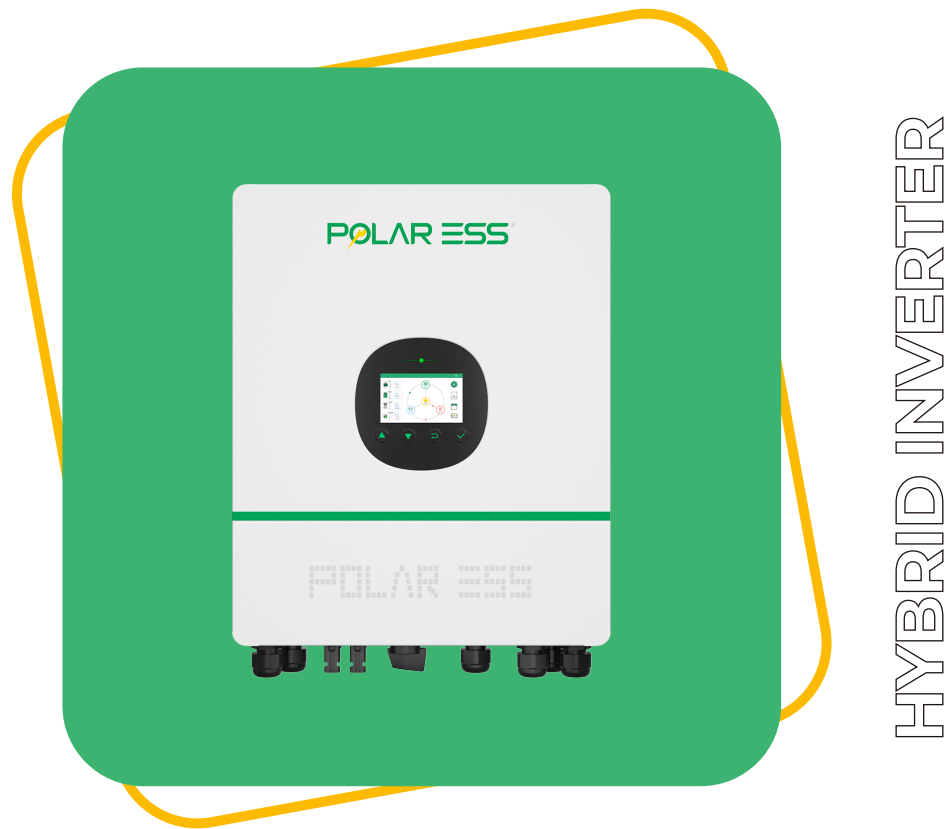
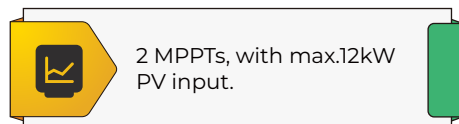
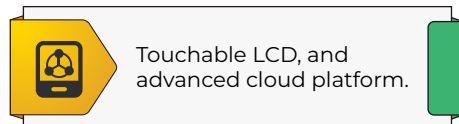




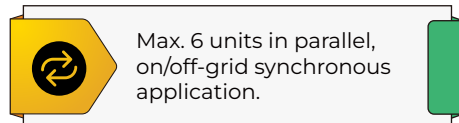
POL Hybrid Inverter 3.6/4.6/5.0/6.0/8.0KW



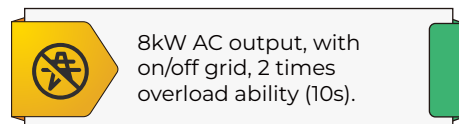
2 MPPTs, with max.12kW PV input.



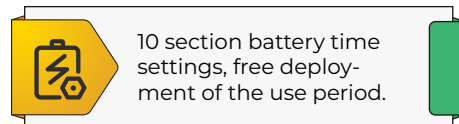
Touchable LCD, and advanced cloud platform.



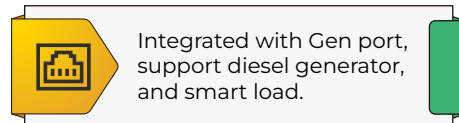
Max. 6 units in parallel, on/off-grid synchronous application.



8kW AC output, with on/off grid, 2 times overload ability (10s).



10 section battery time settings, free deployment of the use period.



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	3600VA	4600VA	5000VA	6000VA	8000VA
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	IP66				
Noise Emission (Typical)	<30dB			<45dB	
Operating Temperature Range	-25~+60 C				
Full Load Operation Temperature	-25~+45 C				
Storage Temperature	-10~+45 C				
Max. Altitude	4000m(Derating Above 2000 m)				
Dimensions (WxHxD)	430x525x204(mm)				
Weight	28kg				
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	METER /CT /USB (WIFI+UPDATE)*1 /DRM*1 /DIDO*2 /CAN(BMS*1) /RS485(DEBUG*1, BMS*1)				
Monitoring	WIFI/4G Optional				
Safety/ EMC Standard	IEC/ EN 61000-6-1/ 2/ 3/ 4, IEC/EN 62109-1, IEC/ EN 62109-2				
Certificates	IEC 61683, IEC62116- IEC61727, CE, EN50549,UKCA, NTS2.1, UNE217001, UNE 217, NRS097, G98, G99, C10/11, VDE-N4105,NTS2.1, UNE217001, AS4777.2				
Warranty	5 Years				