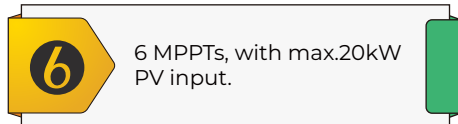


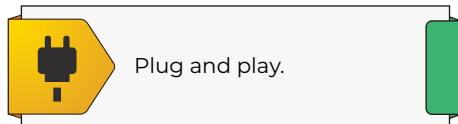


ALL-IN-ONE ESS

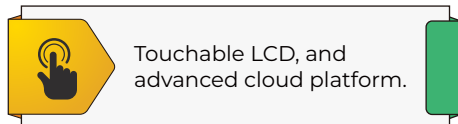
All-in-One ESS 8.0/10.0/12.0kW



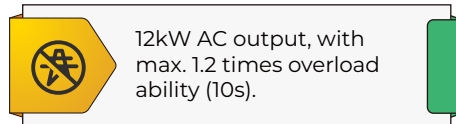
6 MPPTs, with max.20kW
PV input.



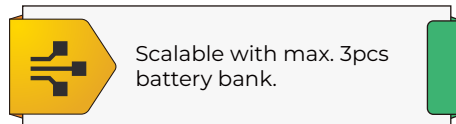
Plug and play.



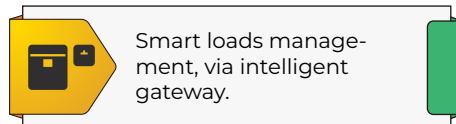
Touchable LCD, and
advanced cloud platform.



12kW AC output, with
max. 1.2 times overload
ability (10s).



Scalable with max. 3pcs
battery bank.



Smart loads manage-
ment, via intelligent
gateway.

Model	POL-AIO-AC-13.5-8.0		POL-AIO-AC-13.5-10.0		POL-AIO-AC-13.5-12.0	
Input Data(PV)						
Max. DC Input Power			20,000W			
Max. DC Input Power Of Single MPP Tracker			4,500W			
Start-up Voltage			60V			
Max. PV Open-circuit Voltage			600V			
MPPT Voltage Range			80V-550V			
Rated MPPT Voltage			360V			
Max. Input Current			6*17A			
Max. PV Short-circuit Current			6*23A			
MPP Tracker/No. Of Strings Per MPP Tracker			6/1			
Dimensions (WxHxD)			600x145x280(mm)			
Weight			18kg			
Battery						
Battery Type			Li-ion			
Battery Voltage Range			260-346V			
Max. Charging Current			25A			
Max. Discharging Current			41A			
Max. Battery Charging/Discharging Power			6,000W/8,600W	6,000W/10,600W	6,000W/12,600W	
Nominal Voltage			307V			
Battery Communication			CAN			
Battery Rated Energy			15.9744kWh			
Battery Usable Energy			13.5kWh			
Output Data (AC, On Grid)						
Rated/Max AC Output Power			8,000W	10,000W	12,000W	
Max. Apparent Power			8,000VA	10,000VA	12,000VA	
Nominal Grid Voltage/Range			230 V.a.c (180 to 270V.a.c)			
Rated/Max. Output Current			34.8A	43.5A	52A	
Nominal Off-grid Power			12,000VA			
Peak Power (10s, Off-grid)			14,400VA			
Nominal Frequency/Range			50 /60Hz; ±5Hz			
Power Factor(@Full Load)			>0.99			
Power Factor Range			0.8lagging-0.8leading			
THDI (@Rated Power)			<3%			
AC Output Type			Single phase; L+N+PE			
General Data						
Battery Max. Charging/Discharging Efficiency			96.50%			
Max. PV Efficiency			97.10%	97.30%	97.50%	
Euro Efficiency			96.60%	96.80%	97%	
PV MPPT Efficiency			99.90%			
Ingress Protection			IP65			
Protection Class			Class I			
Overvoltage Category			PV: II, Battery: II, AC: III			
Inverter Topology			PV: Transformer-less; Battery: Transformer-less			
Cooling			Smart Fan Cooling			
Noise Emission (Typical)			≤50dB			
Operating Temperature Range			-20~+50 °C			
Relative Humidity			0~100%, Non-condensing			
Max. Altitude			4000m(Derating Above 2000 m)			
Dimensions (WxHxD)			600x950x280(mm)			
Weight			199.3kg(AIO+MPPT)			
Self-consumption			<15W			
Max. Parallel Units			2			
Display			LCD &&APP			
Interface			RS485/WIFI/4G inside			
Monitoring			WIFI/LAN/4G optional			
Warranty			5 years			
Certificates			IEC62619, IEC62040, IEC62477, IEC62109-1, IEC62109-2, AS/NZS4777.2:2020+A1, EN IEC 61000-6-3, EN IEC 61000-6-1			

Remarks*1: Test condition at 25°C±2°C, 0.5C/0.5C, 90%DOD