



Three Phase Hybrid Inverter

6.0/8.0/10.0/11.0/15.0/20.0KW



2 MPPTs, with max. 30kW PV input.



LED simple display, and advanced cloud platform.



Die casting integrated molding IP65 design.



20kW AC output, with on/off Grid.



100% unbalanced load support.



10 section battery charging and discharging settings, free deployment.

Model	POL-3HY-6.0-HV	POL-3HY-8.0-HV	POL-3HY-10.0-HV	POL-3HY-11.0-HV	POL-3HY-15.0-HV	POL-3HY-20.0-HV
Input Data(PV)						
Max. DC Input Power	9000W	12000W	15000W	15000W	22500W	30000W
Start-up Voltage	200V					
Max. PV Open-circuit Voltage	1000V					
MPPT voltage range	200V - 850V					
Rated MPPT Voltage	600V					
Max. PV Short-circuit Current	20A				37.5A	
Max. PV Input Current	15A				30A	
MPPT Tracker / No. Of Strings Per MPPT Tracker	2/1				2/2	
Output Data(AC, On-grid)						
Rated/Max. AC Output Power	6000W	8000W	10000W	11000W	15000W	20000W
Max. Apparent Power	6000VA	8000VA	10000VA	11000VA	15000VA	20000VA
Rated/Max. Current	8.7A	11.6A	14.5A	15.9A	21.7A	29A
Nominal Grid Voltage/Range	230/400V.a.c					
Nominal Frequency/Range	50/60 Hz; ±5Hz					
Power Factor(@Full Load)	>0.99					
Power Factor Adjustable Range	0.8Lagging-0.8Leading					
THDi (@Rate Power)	3%					
AC Output Type	Three Phase; 3L/N/PE					
Battery						
Battery Type	Li-ion or Lead Acid					
Battery Voltage Range	200-600V				200-800V	
Nominal Voltage	450V					
Max. Charge / Discharge Current	25A / 25A				50A / 50A	
Max. Battery Charging/ Discharging Power	6000W/6000W	8000W/8000W	10000W / 10000W	11000W/11000W	15000W / 15000W	20000W / 20000W
Battery Communication	CAN					
Output Data (AC, Backup)						
Nominal EPS Output Power	6000W	8000W	10000W	11000W	15000W	20000W
AC Nominal Voltage	230/400V.a.c,					
Rated/Max. Output Current	8.7A	11.6A	14.5A	15.9A	21.7A	29A
Nominal Frequency	50/60 Hz					
Automatic Switch Time	≤10ms					
THDv(Linear load)	<3%					
General Data						
Battery Max. Charging/ Discharging Efficiency	97.5%/97%				98%/97.8%	
PV To AC max. Efficiency	97.9%				98.5%	
Euro Efficiency	97%					
PV MPPT Efficiency	99.9%					
Ingress Protection	IP65					
Noise Emission (Typical)	<30dB				<55dB	
Operating Temperature Range	-25~+60 C					
Relative Humidity	0~100%, Non-condensing					
Smart Fan Cooling	Natural					
Max. Altitude	4000m(Derating Above 2000 m)					
Dimensions (WxHxD)	480x658x214(mm)					
Weight	35kg				40kg	
Max. parallel units	NO				6	
Self-consumption	<15W					
Protective Class	Class I					
Overvoltage Category	PV: II, Battery: II, AC: III					
Topology	Transformer-less					
Display	LED&APP					
Interface	RS485*2 For Meter And EMS; CAN For Battery BMS; WiFi/LAN For Remote Monitoring					
Certificates	CE, UKCA, G98, G98-NI, G99, EN50549, C10/I1, VDE-N4105, NTS2.1, AS4777.2, IK10, PSE-2018, NRS097				CE, UKCA, G98, G98-NI, G99, EN50549, C10/I1, VDE-N4105, NTS2.1,AS4777.2, IK10, PSE-2018, NRS097, IEC 62109, AS60947	
Warranty	5 Year					