

EUROPEAN VERSION

All-in-one computer 220V

6.5 KW / 8.0KW SOLAR INVERTER WITH
10/20KWH LITHIUM-ION BATTERY



Features and advantages

- Pure sine wave output.
- Self-consumption and Feed-back to the Grid.
- Programmable supply priority for PV, battery or Grid.
- User-adjustable battery charging current
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup.
- Built-in timer for various mode of on/off operation.
- Multiple communication for USB, RS232, Modbus, SNMP, GPRS and Wi-fi.
- Monitoring software for real-time status display and control.
- Enhance AC / Solar charger to 60A.
- Scalable Li-Ion battery expansion.
- LiFeP04 battery life cycle: 5000 cycles at 25.
- High surge discharging current up to 3C.
- IP20.



Model	YL-ESA-EY5A10	YL-ESA-EY5A20	YL-ESA-EY8A10	YL-ESA-EY8A20
Maximum PV Input Power	6500W		8000W	
Rated Output Power	5500W		8000W	
Maximum Charging Power	2800W			
PV INPUT (DC)				
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC			
Start-Up Voltage / Initial Feeding Voltage	116 VDC / 150 VDC			
MPP Voltage Range	120 VDC ~ 450 VDC			
Number of MPP Trackers / Maximum Input Current	2/2 x13A			
GRID OUTPUT (AC)				
Nominal Output Voltage	208 / 220 / 230 / 240 VAC			
Output Voltage Range	184-264.5 VAC*			
Maximum Output Current	23.9 A*			
Maximum Conversion Efficiency (DC / AC)	96%			
European Efficiency @ Vnominal	95%			
AC INPUT				
AC Start-Up Voltage / Auto Restart Voltage	120-140VAC / 180VAC			
Acceptable Input Voltage Range	170-280 VAC			
Maximum AC Input Current	40A			
BATTERY MODE OUTPUT (AC)				
Nominal Output Voltage	208 / 220 / 230 / 240 VAC			
Efficiency (DC to AC)	93%			
BATTERY TECHNICAL SPECIFICATIONS				
Nominal DC Voltage	51.2 VDC			
Battery Capacity	200Ah	400Ah		
Maximum Charging Current	100A	200A		
Dimension(D*W*H)mm	214*621*500mm (Cell)			
Net Weight(Kg)	103	206		
Energy	10.24KWh	20.48KWh		
Nominal Voltage	51.2 VDC			
Full Charge Voltage(FC)	56V			
Full Discharge Voltage(FD)	45V			
Maximum Continuous Discharging Current	100 A	200 A		
Maximum Discharging Current	120 A at 1 min	240 A at 1 min		
Protection	BMS, Breaker			
Standard Charge Method	0.2 C CC (Constant current) charge to FC, CV (Constant voltage FC) charge till charge current decline to < 0.05 C			
Inner Resistance	< 20 m Ohm			

*These figures may vary depending on different AC voltage and contry regulation.Product specifications are subject to change without further notice. Technical Specifications 12