

US VERSION

All-in-one computer

8.0 KVA SOLAR INVERTER WITH 10KWH / 20 KWH LiFeP04 BATTERY



- 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 and Wi-Fi.
- Monitoring software for real-time status display and control.
- Enhance AC / Solar charger to 190A.
- Scalable Li-Ion battery expansion.
- LiFeP04 battery life cycle:5000 cycles at 25°C.
- High surge discharging current up to 2C.
- IP 54



Technical Specifications-All-in-one computer (US Version)

Model	YL-ESC-US8A10	YL-ESC-US8A20
Efficiency		
Max Efficiency	≥98%	
CEC Efficiency	≥97%	
On Grid AC Output		
Rate AC Output Power	8KVA	
AC Output Voltage	120/240Vac(split phase), 208Vac(2/3 phase),230Vac(single phase)	
AC Output Frenquecny	50/60Hz	
Grid Type	Split phase. 2/3 phase. Single Phase	
Max Output Current	38.3A	
AC Reverse Charging	Yes	
PF	-0.8leading~+0.8lagging	
Output THDI	<2%	
PV Input		
PV Input Power	12KW	
MPPT Number	4	
PV Voltage Range	350V/85V-500V	
MPPT Voltage Range	120V-500V	
Single MPPT Input Current	12A	
Battery Pack		
Nominal Voltage	51.2V	51.2V
Full Charge Voltage (FC)	56V	56V
Full Discharge Voltage (FD)	45V	45V
Typical Capacity	200Ah	400Ah
Maximum Continuous Discharging Current	190A	190A
Maximum Discharging Current	190A	190A
Protection	BMS, Breaker	BMS, Breaker
Inner Resistance	20 m ohm	20 m ohm
Protection		
Ground Protection	Yes	
AFCI Protection	Yes	
Islanding Protection	Yes	
DC Disconnect Detection	Yes	
Battery Reverse Protection	Yes	
Battery Charge And Discharge Protection	Yes	
Insulation Testing	Yes	
GFCI	Yes	
DC Anti-thunder	Yes	
AC Anti-thunder	Yes	
Input Overvoltage&Under-voltage Protections	Yes	
Output Overvoltage&Under-voltage Protections	Yes	
AC&DC Over-current Protection	Yes	
AC Short-circuit Current Protection	Yes	
Overheating protection	Yes	
General Data		
Operation Temperature Range	-25 ~ +60 Centigrade scale	
Environment Humidity	0~95%	
Altitude	0~4000M (over 2000M derating)	
System Parameters		
Dimension:D x W x H (mm)	****	650*542*1970mm / 25.60"x21.34"x77.56"
Net Weight (kg)	****	340kg
IP Rank	Ip55	

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