

EUROPEAN VERSION

All-in-one computer 380V

Optical storage integrated machine product, supports four interfaces of photovoltaic, battery, grid-connected, and load, integrates on-grid switching function, supports uninterrupted switching between off-grid and grid-connected modes, full power output in off-grid state, and supports 100% Balanced load access, can be matched with inductive responsibility such as air conditioners, and has good load adaptability; Matching bidirectional inverter. LiFeP04 battery.



High Precision

- High-precision MPPT control, maximize the use of solar energy and increase photovoltaic power generation.
- High-precision electricity meter, anti-backflow/load power consumption monitoring.
- Matching bidirectional inverter.

Multiple Modes

- Support on-grid and off-grid uninterrupted switching.
- With energy management function, unmanned and EMS-free operation.
- A variety of working modes to meet the diverse needs of customers.

Various Configurations

- **LiFeP04** battery, Flexible configuration, optional photovoltaic/ mains charging mode.
- Support Wi-Fi, GPRS wireless monitoring method

Long Life

- Ip65 protection grade.
- Lifetime design up to 25 years.



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

Model	YL-ESB-EY10A15	YL-ESB-EY10A20	YL-ESB-EY10A25	YL-ESB-EY10A30
PV INPUT (DC)				
Maximum PV Input Power	14000W			
Nominal DC Voltage/ Maximum DC Voltage	1000V			
Start-Up Voltage	720V			
Number of MPP Trackers Maximum Input Current	12.5/12.5			
MPP Voltage Range	200~880			
Number of MPP Trackers	2			
AC Side Input / output				
Rate AC Output Power	10000VA			
Rated grid voltage (V)	400/230 ; 380/220			
AC Output Frenquecny	50/60Hz			
Rated AC current (A)	14.5A			
Maximum output current (A)	16.7A			
PF	0.8 cap~0.8ind			
Output THDI	<3%			
Load output (connected to battery)				
Rated Power (w)	10000W			
Rated Grid Voltage (v)	400V/380V			
Grid Type	3/N/PE			
Rated Frenquecny	50/60Hz			
Rated AC Current (A)	14.5A			
Maximum AC Current (A)	16A			
Total Harmonic Distortion	<3%			
Reak Power (w) Continuous @Ta=25°C	11KW (30min); 13KW (5min); 15KW (5min)			
Efficiency				
MPPT Efficiency (%)	99.99			
CE Efficiency (%)	97			
Maximum Efficiency (%)	97.8			
Battery charge / discharge efficiency	97.6/96			
Standby power consumption (w)	<25			
General performance parameters				
Dimensions (W*H*D)	548*550*188mm			
Weight (kg)	36			
Cooling method	Free cooling			
Communication Method	WIFI / GPRS / OPTICAL / RS485			
Battery param eters				
Nominal DC Voltage	153.6	204.8	256	307.2
Battery Capacity	100Ah	100Ah	100Ah	100Ah
Energy (kWH)	15.360kWH	20.480kWH	25.600kWH	30.720kWH
Dimensions (H*W*D)	1000*830*560mm 39.37*32.68*22.05"	1170*830*560mm 46.06*32.68*22.05"	1340*830*560mm 52.76*32.68*22.05"	1510*830*560mm 59.45*32.68*22.05"
Net Weight (kg)	245	300	355	410
Maximum Discharging Current	100A			
Cycle Life	4000Cycles (80% DOD)			