YL-ASF series | All-in-one Solar Charge Inverter (EU)

8-10KW | single-phase L/N/PE | 2 MPPTs

230V · 48V · 8-10KW · 500V · IP20

MODEL	YL-ASF80H180-48-EU	YL-ASF100H200-48-EU	CAN BESET
INVERTER OUTPUT			
Rated Output Power	8,000W	10,000W	
Max.Peak Power	12,000W	15,000W	
Rated Output Voltage	230Vac（single-phase L/N/PE ）		✓
Load Capacity of Motors	5HP	6HP	
Rated AC Frequency	50/60Hz		✓
Waveform	Pure Sine Wave		
Switch Time	10ms（typical）		
Parallel capacity	/		
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		✓
Rated Battery Voltage	48Vdc		
Voltage Range	40~60Vdc		✓
Max.MPPT Charging Current	180A	200A	✓
Max.Mains/Generator Charging Current	100A	120A	✓
Max.Hybrid Charging Current	180A	200A	✓
PV INPUT			
Num. of MPP Trackers	2		
Max.PV array power	5,500W+5,500W		
Max.input current	22A+22A		
Max.Voltage of Open Circuit	500Vdc+500Vdc		
MPPT Voltage Range	125~425Vdc		
MAINS / GENERATOR INPUT			
Input Voltage Range	90~270Vac		
Frequency Range	50/60Hz		
Bypass Overload Current	63A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Battery Inverter Efficiency	92%		
GENERAL			
Dimensions	620*445*130mm (2*1.46*0.4ft)		
Weight	27kg (59.5lb)		
Protection Degree	Ip20, Indoor Only		
Operating Temperature Range	−15~55℃, >45℃ derated（5~131℉, >113℉ derated）		
Noise	<60dB		
Cooling Method	Internal Fan		
Warranty	2 years		
COMMUNICATION			
Embedded Interfaces	Rs485 / CAN / USB / Dry contact		✓
External Modules（Optional）	Wi-Fi / GPRS		✓
CERTIFICATION			
Safety	IEC62109-1, IEC62109-2		
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B		
RoHS	Yes		

PRODUCT FEATURES

Efficient
- Dual MPPT with up to 99.9% efficiency
- Up to 22A PV input current perfect for high power modules

User-friendly
- Industrial design with a modern aesthetic look
- Easy to install and simple to use

All-in-one
- Solar Charger Controller up to 200A charging current
- Support for Li-ion battery BMS communication

Reliable
- Outputs high quality pure sine wave AC power
- 8-10kW load power to meet the needs of most households

Safety
- 360 degrees of security from hardware to software
- EU、IEC safety approvals

Intelligent
- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley tariff