

**3x SURGE
CAPACITY**



HYBRID SOLAR INVERTER



ASI24LF01

24V | 2400W

ASI30LF01

24V | 3000W

ASI50LF01

48V | 5000W

Peak
Efficiency

>98%

Transfer
Time

8ms

Surge
Capacity

x3

Output
Wave

**Pure Sine
Wave**

Comms

Wifi Ready

Parallel

Enabled

FEATURES

Triple Surge Capacity

Handles up to 3 x short term overload

High Efficiency

Designed to operate at a higher frequency than traditional inverters, convert more of the DC power generated by solar panels into usable AC power.

Uninterrupted Power

Transfer time of <8ms

Real Time Display

Real time display of actual load power to ensure accurate system monitoring

Wifi Enabled

You can monitor your inverter's performance, power output, and other parameters remotely from your smartphone or other device, providing greater flexibility and convenience. (Wifi Dongle Sold Separately)

HYBRID SOLAR INVERTER

ASI24LF01

ASI30LF01

ASI50LF01

Product Specification					
Model Number		ASI24LF01	ASI30LF01	ASI50LF01	
Input	Capacity (VA)	3000VA	3800VA	6300VA	
	Voltage (V)	24V		48V	
	Nominal Voltage	220 VAC			
	Voltage Range	154-265VAC			
	Frequency	50/60Hz Auto Sensing			
Output	Rated Power	2400W	3000W	5000W	
	Surge Power	7200W	9000W	15000W	
	Voltage Range	208/220/230/240VAC±5%			
	Output Frequency	50/60Hz			
	Output wave	Pure Sine Wave			
	Transfer Time (AC to DC)	<8ms			
	Transfer Time (DC to AC)	<8ms			
	Output Voltage Regulation	10%rms			
	Bypass Mode Yes	Yes			
	Saver Mode	Yes			
Efficiency	>98%				
Protection	Input Protection	Circuit Breaker			
	Output Protection	Circuit Breaker			
Battery	Battery Type	AGM-Deep Cycle, GEL, LIFEPO4, NMC			
	Charging Current	30A	38A	30A	
	Low Level disconnect (Selectable)	(10V or 10.5V) x N N means the number of batteries in series			
	LCD indicator status	Input AC,Output AC Battery DC,Output Load Alarm,Fault Battery Charge Level Output Frequency			
	LED Indicator status	AC Line In: Green Inverter: Green Charging: Yellow Alarm: Red			
	Battery Low Alarm	battery light discharge 11.5V*N; battery load discharge 11.5V*N@load<20%; 11V*N@load>50% / 10. 5V*N@load> 50%;			
	Battery Low Recovery	battery light discharge 12V*N; battery load discharge 12V*N@load<20%; 11.5V*N@load>50% / 11V*N@load> 50%;			
	DC Low Voltage Shutdown	battery light discharge 11V*N; battery load discharge 11V*N@load<20%; 10.5V*N@load>50% / 10V*N@load> 50%;			
	DC high voltage alarm and fault	16V*N			
	DC high voltage recovery	15V*N			
	Solar Charger	PV Charging Method	PWM	MPPT	
		Maximum PV array power	24V: 1600W		48V: 6400W
		MPPT/PWM input voltage range	24V: PWM 30VDC- 60VDC	24V:MPPT30- 150VDC	48V:MPPT60- 150VDC
		Maximum PV array open circuit	24V: PWM60VDC	24V:MPPT150VDC	48V:MPPT150VDC
		Maximum solar charging current	60A		120A
	Alarm	Low battery alarm	Audible alarm-1 beeping per second		
		Overload alarm	Audible alarm-continuous beeping		
Fault		Audible alarm-continuous beeping			

