



ZLPI Integrated Solar Sysmtem (1-3KVA)

1000-3000 W



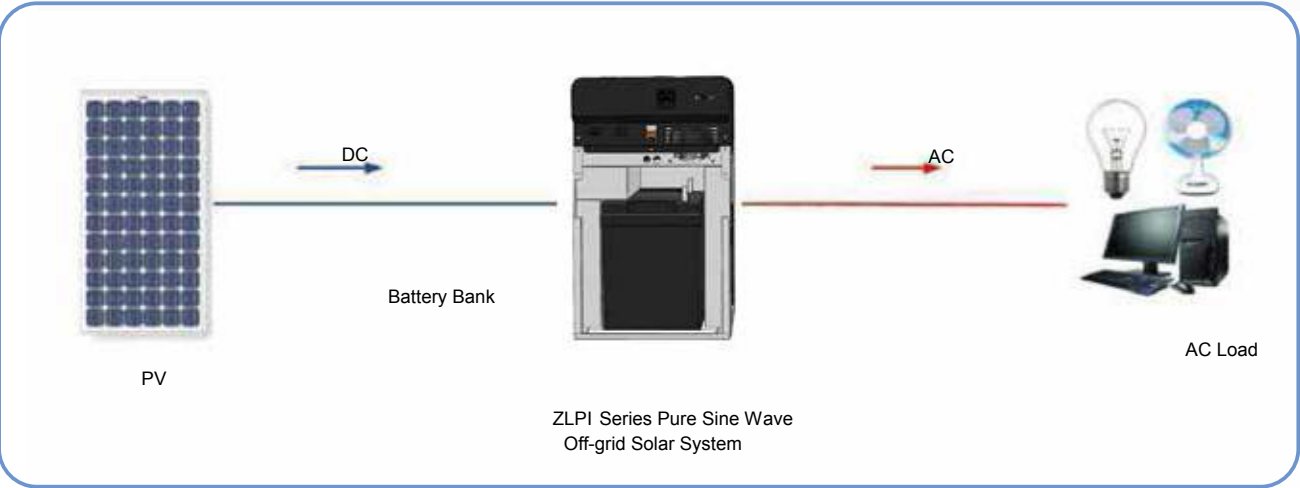
ZLPI 1KLS / 2KLS / 3KLS

Features

- MPPT controller,PV input range 15-85Vdc
- Integrated design with controller, inverter and battery box
- With isolation transformer, pure sine wave AC output
- Easy installation, plug-and-play
- Intelligent battery management, support bypass input
- Multiple protections: DC & AC over voltage, over current, over temperature, short circuit etc
- LCD smart display
- Reliable power supply, safety performance

Description

ZLPI series pure sine wave off-grid solar system integrates MPPT controller, inverter and battery box together, easy installation and useful. The system inverts DC to AC and directly supplies for terminal load, solving the basic problem of electricity. Mostly applied for places without electricity or certain applications e.g. residential power supply, field work, travel sites, night market stalls, etc.



Technical data

Model	ZLPI 1KLS	ZLPI 2KLS	ZLPI 3KLS
Solar Controller			
Max. PV input power (W)	240	480	1440
PV input voltage range (VDC)	15-85		
Max. charge current (A)	20		30
Inverter			
Rated Power (VA)	1000	2000	3000
Output voltage (Vac)	110/220/230/240±3%		
Output frequency (Hz)	50/60±3%		
Output wave type	Pure sine wave		
THDI	<5% (linear load)		
Power factor	0.7		
Under voltage protection value (VDC)	10.8	21.6	43.2
Crest factor	3		
Over load capacity	100~125% 10min; 125~150% 1min; 150~200% 10s		
Battery			
Battery type	Lead-acid battery		
Battery capacity	1*100AH/12V	2*100AH/12V	4*100AH/12V
Battery rated voltage (VDC)	12	24	48
Battery floating charge voltage (VDC)	14	28	56
System			
Display	LCD+LED		
Display content	PV indicator, battery capacity, AC voltage, load percentage		
Inverter protection	AC over voltage, AC short circuit, DC over voltage, DC under voltage, over temperature, etc		
Cooling method	Air cooling		
Communication interface	RS232 (optional)		
Operating temperature range (°C)	-20~+50 (>50°C derating)		
Relative humidity in operation	0~95% (non-condensing)		
Storage temperature range (°C)	-25~+70		
Max. operating altitude	3000 (>3000m derating)		
Noise emission [dB (A)]	<55 (at 1 meter)		
Efficiency	>85%		
Ingress Protection rating	IP20		
Dimension(W*H*D mm)			
Weight [with battery (kg)]	45	56	87

Data may change without any notice.