

# LPT Series

INVERTER/CHARGER PURE SINE WAVE

Reliable solution For power back system  
and off grid solar system



LPT series inverter charger is a combination of an inverter, battery charger and transfer switch into one complete system, it can be used in power backup system or solar hybrid system with grid & diesel generators.

It supplies a stable power for household appliance in the districts with unstable power or supplied power by the solar or wind energy sources .Its distinguishing surge capability makes it capable to power most demanding appliances, such as fridge, freezer, water pump etc.

## Product Features

- 4 functions: DC to AC, AC charger, AC bypass and UPS
- True sine wave output to operate sensitive electronics
- Built-in transfer switch automatically transfers between inverter power and incoming AC power
- 7 LED display show the work and charging work status
- Battery over-voltage and under-voltage protection
- 3 times rated peak power
- Remote control CR10-11 for optional

## Protection

- Input AC over voltage and low voltage protection
- Battery DC over voltage and low voltage protection
- Short circuit protection
- Over temperature protection
- Over load protection

## Application



Motorhome Caravan Mobile homes



Ambulance Fire truck Off grid solar

## Power Range

1000W

1500W

2000W

3000W

4000W

5000W

6000W

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## INVERTER/CHARGER PURE SINE WAVE

Models	LPT1000	LPT1500	LPT2000	LPT3000	LPT4000	LPT5000	LPT6000
Output Power	1000W	1500W	2000W	3000W	4000W	5000W	6000W
Surge Power	3000W	4500W	6000W	9000W	12000W	15000W	18000W
Output Voltage	100/110/120VAC±5% , 220/230/240VAC±3%						
Output Frequency	50/60Hz ±0.5%						
Output Waveform	True sine wave (THD<5%)						
Power Factor	0.1~1						
DC Input Voltage	12/24/48VDC					24/48VDC	
Voltage Range	10.0~16.0/20.0~31.0/42.0~62.0VDC					20.0~31.0/42.0~62.0VDC	
Power Saving Mode	< 5W	< 15W	<15W	< 15W	< 20W	< 20W	<20W
Efficiency 110VAC	84%	84%	85%	85%	86%	87%	85%
230VAC	84%	84%	85%	85%	86%	87%	85%

### AC Charger

AC Input Voltage	90~135VAC/190~245VAC						
DC Output Voltage	Fast (14.0-15.1V) , Float (13.3-13.8V) (*2 for 24Vdc, *4 for 48Vdc)						
Over Charge Protection	15.7Vdc (*2 for 24Vdc, *4 for 48Vdc)						
Charge Current 110VAC	35A/20A	50A/25A/15A	70A/30A/15A	80A/40A/25A	50A/30A	70A/40A	75A/50A
220VAC	35A/20A	45A/25A/15A	65A/30A/20A	75A/45A/30A	65A/35A	70A/40A	75A/50A

### AC Bypass

Transfer Time	< 8 ms						
Input Volt. Waveform	Utility AC or Generator (Sine Wave)						
Max bypass current	10A	20A	20A	30A	30A	40A	40A

### Control&Signal

LED Indicator	Working Mode						
LCD Screen	AC Input , AC Output , DC Input , Output Frequency , Load Percentage , Working Mode , Fault Indicator						
Remote Control(optional)	CR10-11						
Battery type	Manual Optional						

### Safety & EMC

Safety	UL458 , LVD (EN60950)						
EMC	FCC Part15 Class A , CE (EN55022:2006+A1:2007)						

### Environment

Operating Temp	-20~50°C						
Working Humidity	20~90%RH						
Storage Temp	-30~70°C						

### Other Information

Cooling	Automatically controlled cooling fan						
Weight (kg)	13	15	20	25	37	45	46
Size (mm)	425*250*181	425*255*185	500*255*185	500*255*185	670*255*185	670*255*18	670*255*18
Application	Vehicle,Yacht,Solar power systems,Portable equipments,Power tools,Home and Office appliances						