

INVERTER/CHARGER

Reliable power supply solution For RV and off grid solar system



With the pure sine wave output, no matter coffee machine, microwave, TV, satellite, printer or other equipments, ICPT inverter charger gives perfect performance of running loads from household appliances to office devices.

Lithium battery compatibility gives another option of house battery. Batteries charged quickly and safely by the input utility power or vehicle generator. Automatical protect function ensures the battery banks from being over discharged/charged. With auto transfer switch ICPT inverter charger guarantees the interrupted power supply.

Product Features

- Approved by ETL under UL458 and CSA C22.2, CE under EN55022:2006+A1:2007 standards
- Pure sine wave output runs all loads from households appliances to office equipments
- Built-in three-stage battery charger with compatibility of Lithium/Gel/AGM/Wet battery recharges most batteries quickly while prevent them from being overcharged
- Internal transfer switch transfers between DC power and utility power
- External LCD remote controller-PTM12 or re-programmable interactive monitor control system -CR80 for easy data read and better references
- Gen starter gives boost signal to start backup generator for emergency
- Tool-free battery connection terminal for easy installtion and DC short-circuit defending

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

Applications:



Motorhomes



Caravans



Mobile homes



Ambulance



Fire Trucks



Off Grid Solar System

Power Range:

1000 W
35A

1500 W
50A

2000 W
70A

2500 W
70A

3000 W
80A

4000 W
75A

5000 W
75A

6000 W
75A



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INVERTER/CHARGER

Power Input/Output	ICPT1000	ICPT1500	ICPT2000	ICPT2500	ICPT3000	ICPT4000	ICPT5000	ICPT6000	
Output power	1000W	1500W	2000W	2500W	3000W	4000W	5000W	6000W	
Surge power	3000W	4500W	6000W	7500W	9000W	12000W	15000W	18000W	
Output voltage	100/110/120 VAC±5%; 220/230/240 VAC±3%; 120/240 VAC Split phase								
Output frequency	50/60 HZ ± 0.5%								
Idle consumption (Saving model/working model)	5W/ 10W	5W/ 12W	5W/ 12W	6W/ 15W	7.5W/ 18W	9W/ 20W	9W/ 25W	9W/ 30W	
Waveform	Pure sine wave (THD<3%)								
AC input range	90-135 VAC / 190-245 VAC								
AC input frequency	50/60 HZ ± 0.5%								
DC input voltage	12/24 VDC		12/24/48 VDC			24/48 VDC			
DC voltage range	10.0-16.0 / 20.0-31.0VDC		10.0-16.0 / 20.0-31.0 / 42.0-62.0 VDC			20.0-31.0 / 42.0-62.0 VDC			
Efficiency	110VAC	85%	85%	86%	86%	87%	88%	86%	85%
	230VAC	86%	87%	88%	88%	88%	89%	87%	87%

AC Charger/Bypass

DC output voltage	Bulk(13.0-14.9V); Absorption(14.9-15.1V); Float charge(13.3-13.8V) (24V*2, 48V*4)								
Over charge protection	15.7 VDC (24V*2, 48V*4)								
Charge current	110VAC	35A/ 20A	35A/ 20A	50A/ 25A/ 15A	70A/ 30A/ 15A	80A/ 40A/ 25A	50A/ 30A	70A/ 40A	75A/ 50A
	230VAC	35A/ 20A	35A/ 20A	45A/ 25A/ 15A	65A/ 30A/ 20A	75A/ 45A/ 30A	65A/ 35A	70A/ 40A	75A/ 50A
Transfer time	< 10 ms								
Input waveform	Pure sine wave (Utility power or generator)								
MAX bypass current	10A	20A	20A	30A	30A	40A	40A	40A	40A

Control & Signal

LED indicator	7-led for working mode								
Remote control(optional)	CR10; PTM-12								
Dip switch	Charge current; Output frequency; AC output voltage; DC/ AC priority								
Network function	Stand-alone, or TCP/ IP optional								
Battery type	Lithium, Gel, AGM, Wet or customized								
Dry contact terminal	By relay								

General Specification

Safety	UL458, LVD(EN60950)								
EMC	FCC part15 Class A, CE(EN55022:2006+ A1: 2007)								
Operating / Storage temp	-20- 50 °C/ -30- 70 °C								
Working humidity	-20- 90% RH								
Weight(Kg/lb)	12/ 26	15/ 33	17/ 37	20/ 44	24/ 53	35/ 77	43/ 95	45/ 99	
Dimension(mm/in)	455*250*185/ 18*10*7		525*250*185/ 21*10*7			650*250*185/ 26*10*7			