



Low Frequency Power Inverter/Charger IR Inverter 30 SERIES 3 - 7,5 kva



Features

- LCD display, easy to read how inverter operates on LCD screen
- Compatible to generator
- Smart LCD Settings: battery voltage, charging current, working mode, etc
- 9 - levels battery selector, Enable to charge Gel, lead-acid battery
- DC(Solar)/AC priority optional
- 4 levels charge current adjustable
- With USB communication port
- With BTS & AGS , optimizing battery performance & start generator automatically
- Power saver Switch , Enable to minimize standby consumption

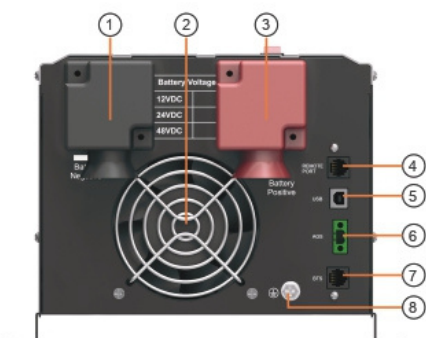
Introduction

IR 30 PLUS series is very economical pure sine wave inverter, AC charger inbuilt, from 35A to 70A; Solar/AC priority is configurable, when setting solar priority, solar will charge batteries as first priority, and AC can also charge batteries when solar charger current too lower, in this way system charge is optimized best. With pure copper transformer, it enables inverter to operate with all kinds of home appliances.

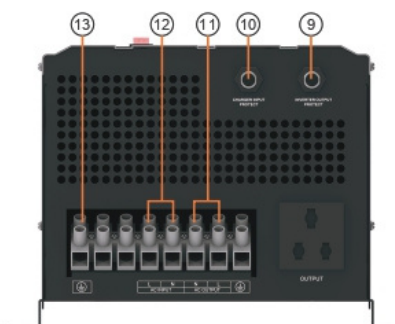
Back panel printing description



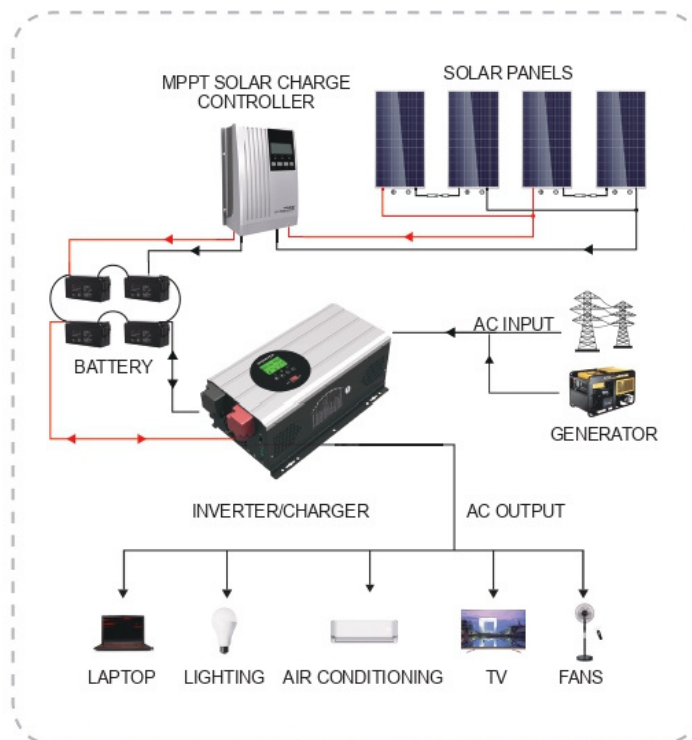
1. LCD DISPLAY
2. AC LED
3. INV LED
4. FAULT
5. MENU
6. UP
7. DOWN
8. ENTER
9. Switch ON/OFF



1. BAT-
2. FAN
3. BAT+
4. Remote port
5. USB
6. AGS
7. BTS
8. GND
9. Inverter output protect
10. Charger input protect
11. AC output
12. AC input
13. GND



Solar system connection





MODEL		IR 30-1KW PLUS		IR 30-1.5KW PLUS		IR 30-2KW PLUS		IR 30-3KW PLUS		IR 30-4KW PLUS		IR 30-5KW PLUS		IR 30-6KW PLUS	
Nominal Battery System Voltage		12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	24VDC	48VDC	24VDC	48VDC	48VDC		48VDC	
INVERTER OUTPUT	Rated Power	1.0KW		1.5KW		2KW		3KW		4KW		5KW		6KW	
	Surge Rating(20ms)	3.0KW		4.5KW		6.0KW		9.0KW		12KW		15KVA		18KW	
	Capable Of Starting Electric Motor	1HP		1HP		1HP		2HP				3HP			
	Waveform	Pure sine wave \ same as input (bypass mode)													
	Nominal Output Voltage RMS	100V \ 110V \ 120V \ 220V \ 230V \ 240VAC (±10% RMS)										220V \ 230V \ 240VAC (±10% RMS)			
	Output Frequency	50Hz \ 60Hz ±0.3Hz													
	Inverter Efficiency (Peak)	>88%													
	Line Mode Efficiency	>95%													
	Power Factor	1.0													
	Typical Transfer Time	10ms(max)													
AC INPUT	Voltage	230VAC													
	Selectable Voltage Range	96~132VAC 155~280VAC(For personal computers)													
	Frequency Range	50Hz \ 60Hz(Auto sensing) 40~80Hz													
BATTERY	Minimum Start Voltage	10.5VDC \ 11VDC for 12VDC mode(*2 for 24VDC, *4 for 48VDC)													
	Low Battery Alarm	11VDC ±0.3V for 12VDC mode(*2 for 24VDC, *4 for 48VDC)													
	Low Battery Cut Off	10.5VDC ±0.3V for 12VDC mode(*2 for 24VDC, *4 for 48VDC)													
	High Voltage Alarm	16.0VDC ±0.3V for 12VDC mode(*2 for 24VDC, *4 for 48VDC)													
	High Battery Voltage Recover	15.5VDC ±0.3V for 12VDC mode													
	Idle Consumption-Search Mode	<25W when power saver on													
CHARGER	Output Voltage	Depends on battery type													
	Charge AC Input Breaker Rating	10A		30A		30A		30A		40A					
	Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC mode, *4 for 48VDC mode)													
	Maximum Charge Current	35A	20A	45A	25A	65A	35A	45A	30A	65A	35A	40A	50A		
BYPASS & PROTECTION	Input Voltage Waveform	Sine wave (grid or generator)													
	Nominal Input Frequency	50Hz or 60Hz													
	Overload Protection (SMPS Load)	Circuit breaker													
	Output Short Circuit Protection	Circuit breaker													
	Bypass Breaker Rating	10A		30A		30A		30A		40A					
	Max Bypass Current	30Amp													
MECHANICAL SPECIFICATIONS	Mounting	Wall Mount													
	Dimensions (W*H*D)	426*206*178mm										601*206*178mm			
	Net Weight (Solar CHG)(kg)	16.5		17		21.1	20	24.5	24.8	38.2	35.8	45	45		
	Shipping Dimensions (W*H*D)	5570*335*300mm										750*335*300mm			
	Shipping Weight (Solar CHG)(kg)	19.3		20		24.1	22.8	27.5	27.5	42.3	40	49.3	49.3		
OTHER	Operation Temperature Range	0℃ to 40℃													
	Storage Temperature	-15℃ to 60℃													
	Audible Noise	60dB MAX													
	Display	LED+LCD													
	Standard Warranty	1 year, 2 or 3 years optional (IP20)													