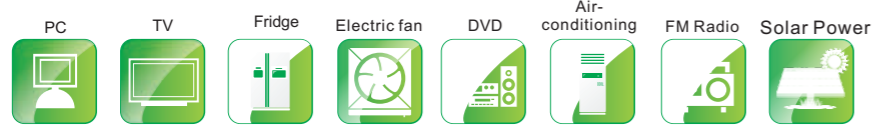


# IG3115E Series

## Pure Sine Wave Output Inverter

1-6KW



### Key Features:

- Pure sine wave output
- The charging current is big up to 75 Amp
- Output power factor is 0.9-1
- Well accept generator's output
- Full automatic and silent operation
- Automatically transfer between battery and line modes
- Microprocessor control guarantees high reliability
- Remote control function
- Four-steps intelligent charging control to recharging time
- Bypass and bypass voltage regulation function
- Could be built-in MPPT controller (optional)



Optional



LCD Display

### Full protection:

Protection for low battery voltage, over load, output short circuit and over-temperature restrain surge interference, eliminate noise, protection for thunder striking, provide the reliable power to the home appliances.

### Applications:

Supply the reliable long back up time power for the home appliances and office appliances Solar power systems etc.

### DIP Switch No. Function Description:

	1	0
SW1		
SW2		
SW3		
SW4		
SW5		

Optional



DIP Switch No.	Function Setting	ON	OFF
SW1	Batt Low S.D Point	10.5Vdc	10.0Vdc
SW2	I/P V Range	154~253Vac	184~253Vac
SW3	Power Saver timer	Detect load Per 3 Secs	Detect load Per 30 Secs
SW4	Frequency Setting	SOHE	60Hz
Sw5 (Option)	Mode Selection: Battery Power-Main Power	Battery Mode Priority	Utility Mode Priority

## IG3115E Series Technical Specifications

MODEL	IG3115E 1000-6000W Pure Sine wave Output Inverter						
	1000W	1500W	2000W	3000W	4000W	5000W	6000W
Input Wave form	Sine wave (utility or generator)						
Nominal Voltage	120Vac & 230Vac						
Low voltage re trip	90v ±4% & 184v/154v ±4%						
Low voltage re engage	100v ±4% & 194v/164v±4%						
High voltage re trip	140v ±4% & 253v ±4%						
High voltage re engage	135v ±4% & 243v±4%						
Max Input AC Voltage	150VAC & 270VAC						
Nominal Input Frequency	50Hz/ 60Hz (auto detection)						
Low freq trip	47Hz for 50Hz,57Hz for 60Hz						
High freq trip	55Hz for 50Hz,65Hz for 60Hz						
Output Wave form	(Bypass mode)same as input						
Over-Load Protection	Circuit breaker						
Short circuit Protection	Circuit breaker						
Transfer Switch Rating	30Amp or 40Amp						
Efficiency on line transfer mode	> 95%+						
Line transfer time	10ms Typical						
Bypass without battery connected	Yes						
Max bypass current	30 amp or 40 amp						
Bypass over load current	30 amp or 45 amp:Alarm						
Inverter specification/output							
Output wave form	Pure sine wave						
Output continuous power watts	1000	1500	2000	3000	4000	5000	6000
Output continuous power VA	1000	1500	2000	3000	4000	5000	6000
Power factor	0.9-1.0						
Nominal Output Voltage rms	120/230VAC						
Output Voltage regulation	+/- 10%rms						
Output frequency	50Hz ± 0.3Hz or 60Hz ± 0.3Hz						
Safety Certification	>88%						
Surge ratings	3000	4500	6000	9000	12000	15000	18000
Short circuit protection	Yes,fault after 1 secs						
Inverter specification/input							
Nominal input voltage	12V		24V		48V		
Minimum start voltage	10V		20V		40V		
Low battery alarm	10.5V		21V		42V		
Low battery trip	10V		20V		40V		
High voltage alarm	16V		32V		64V		
Power saver	Below 25 watts when enabled						
Power saver	Same switched on/off on remote						
Charger mode specification							
Input voltage range	95-127VAC			194-243VAC/164-243VAC(W)			
Output voltage	Dependent on battery type						
Charge current	35A/70A MAX						
Battery initial voltage for start up	0-15.7v for 12v(*2 for 24v;*4 for 48v)						
Over charge protection shutdown	15.7v for 12v(*2 for 24v;*4 for 48v)						
Charger curves(4stage constant curren)battery types							
4 step digital controlled progressive charge							
Battery type	Fast V		Fast V(*2 for 24v;*4 for 48v)				
Gel U.S.A	14.0		13.7				
A.G.M. 1	14.1		13.4				
A.G.M. 2	14.6		13.7				
Sealed lead acid	14.4		13.6				
Gel euro	14.4		13.8				
Open lead acid	14.8		13.3				
Calcium	15.1		13.6				
De-sulphation	15.5 for 4 hrs						
Remote control/RS232/USB	Yes. Optional						
Size: in mm	1000/1500Model:362*218*179mm <sup>3</sup>						
	2000/3000Model:442*218*179mm <sup>3</sup>						
	4000/5000/6000Model:598*218*179mm <sup>3</sup>						
Weight	1000	1500	2000	3000	4000	5000	6000
	16kg	18kg	20kg	22kg	35kg	38kg	40kg

STANDARD: Conform to GB/IEC regulation: EMC:GB7260.2/IEC62040-2 GB/17626.2~5/IEC61000-4-2~5 SAFETY:GB4943

Note: Product specifications are subject to change without further notice.