

# THE POWER OF NATURE



Hetronix™ Wind Turbine Systems

Hybrid Inverter range

# Hybrid Inverter

The Hybrid Inverter is a powerful supply system, with an integrated solution of “Wind power” and “Solar power” that provides a pure sine wave output power, combined with the optional multi-stage battery charger and built-in solar charger.

Applicable to any type of load, such as air conditioning, household appliances and Industrial equipment. The Hybrid Inverter system is based on battery power as the main output. Under normal circumstances Hetronix Keith\_2K hybrid windturbine system will give priority to the use of wind power and/or solar power. When there is a wind/sun disruption, the Hybrid Inverter will switch to the electrical utility. The built-in 5-stage solar charger, automatically charges any type of batteries without the risk of overcharge. Solar panels with a maximum of 4kW can be connected directly to the Hybrid Inverter. The compact & modular design makes utility interactive installations easier and more cost effective. It is a high quality product that offers the best price/performance ratio in the industry; especially for areas without a stable power supply or totally dependent on diesel generators on islands, or high on a mountain ridge.

## Hybrid Inverter Key Features

- \* Support Solar panels with max. 4kW
- \* Un-limited batteries back-up time
- \* DC start and automatic self-diagnostic function
- \* Multi-stage charger supports batteries up to 600AH
- \* Controllable & Removable panel with LCD
- \* Optional Multiple interfaces cards available
- \* Un-limited load applicability
- \* Compatible with both linear & non-linear load
- \* 24 hours operation on the Inverter.
- \* Low heat dissipation in long time operation.
- \* Design to operate under harsh environment.
- \* Parameter Pre-settable.



### Build In SOLAR Charger Module Specification

Normal DC (Battery)	12V	24V	48V
Charging Voltage	13.8V	27.6V	55.2V
Operating High Voltage (Solar In)	25V	50V	100V
Operating Low Voltage (Solar In)	12V	24V	44V
Solar Panel Capacity (Maximum)	1KW	2KW	4KW
Maximum Charging Current	50A	50A	50A
Polarity Reverse Protection	Yes	Yes	Yes
Current Reverse Protection	Yes	Yes	Yes

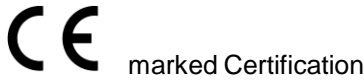
# Specification Hybrid Inverter range SR-602 / 802

## Specification

- Specifications are subjected to change without prior notice.

Model		SR-602	SR-802	
Capacity	VA / Watt	6KVA / 6000W	8KVA / 8000W	
Input	Nominal Voltage	220Vac; 110Vac	220Vac only	
	Voltage Range	Acceptable Voltage Range	120-275Vac ; 60-135Vac	120-275Vac
		Frequency	50Hz / 60Hz ( 45Hz - 70Hz)	50Hz / 60Hz ( 45Hz - 70Hz)
		Line Low Transfer	120VAC $\pm$ 2% ; 60VAC $\pm$ 2%	120VAC $\pm$ 2%
		Line Low Return	130VAC $\pm$ 2% ; 65VAC $\pm$ 2%	130VAC $\pm$ 2%
		Line High Transfer	275VAC $\pm$ 2% ; 135VAC $\pm$ 2%	275VAC $\pm$ 2%
Line High Return	260VAC $\pm$ 2% ; 130VAC $\pm$ 2%	260VAC $\pm$ 2%		
Output	Voltage	220Vac (230V or 240VAC re-settable via LCD panel); 110Vac (115V or 120VAC re-settable via LCD panel)		
	Voltage Regulation (Battery. Mode)	< 3% RMS for entire battery voltage range		
	Frequency	50Hz or 60Hz		
	Frequency Regulation (Battery. Mode)	$\pm$ 0.1Hz		
	Power Factor	1.0		
	Waveform	Pure Sinewave		
	Efficiency	> 80%		
	Overload Protection	Line Mode	Circuit Breaker	
Battery Mode		110% ~ 150% for 30 sec. , >150% for 200ms		
Transfer Time	Typical	< 8 ms.		
Battery	Battery Voltage	48Vdc		
	Backup Time (at full load)	long time available		
	Max. Charging Current (5 steps selectable)	> 60A		
Display LCD	LCD	UPS status, I/P&O/P Voltage Frequency, Load%, Battery Voltage & %, Charge current, Temperature, Model		
	LED	Normal (Green), Warning (Yellow), Fault (Red)		
Audible Alarm	Battery Mode	Beeping every 4 seconds		
	Low Battery	Beeping every second		
	UPS Fault	Beeping Continuously		
	Overload	Beeping twice per second		
Environment	Operation Temperature	0-40 degree C; / 32-104 degree F		
	Relative Humidity	0-95% non-dondensing		
	Audible Noise	Less than 55dBA (at 1M)		
Physical	Net Weigh (Kgs)	51.4Kg	53.6Kg	
	(WxHxD)mm Wall Mounted	415*600*260	415*600*260	

## Tested and Certified



### Verification of MD & LVD Compliance

EN 61400-2: 2006 (Wind Turbine Generator Systems - Part 2: Safety of Small Wind Turbines)

EN ISO 12100-1: 2003, EN ISO 12100-2: 2003, EN 60204-1: 2006, EN 1050: 1996

Machinery directive: 98/37/EC

Low Voltage directive 2006/95/EC

Certified by SGS Taiwan LTD Electronics & Communication Services

Certificate No: EZ/2008/50037 C

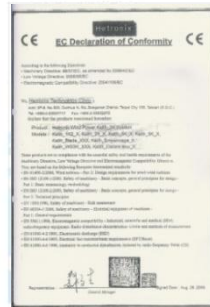
### Verification of EMC Compliance

EN 61000-6-2: 2005, EN 61000-6-4: 2007

EMC Directive: 89/336EEC amended by 2004/108/ EC

Certified by SGS Taiwan LTD Electronics & Communication Services

Certificate No: ED/2008/50046C



Contact us now for more information

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