



# Virtual Sense POWER

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## Power at your fingertips

- ADVANCED MCU CONTROL TECHNOLOGY, ENHANCING UPS PERFORMANCE
- COMPETITIVELY PRICED
- HIGH EFFICIENCY
- POWER RATINGS OF EITHER 1Kva, 2Kva or 3kVA.
- FITTED WITH RS232 INTERFACE
- OPTIONAL USB AVAILABLE
- OPTINAL SNMP ADAPTER AVAILABLE
- CONFORMS TO ALL NECESSARY SAFETY AND CE SPECIFICATIONS
- LCD DISPLAY
- FAST VOLTAGE PROTECTION, PREDICTING MAINS FAILURE.
- AUTOMATIC VOLTAGE REGULATION, SAVING BATTERY POWER (AVR)
- LOW BATTERY PROTECTION, PREVENTING DEEP DISCHARGE
- ADVANCED BATTERY MANAGEMENT

## T2 SERIES 1kVA to 3kVA

Launched in 2005 and superseding the highly regarded PHD IP Series UPS, the T2 Series benefits from the latest Microprocessor Control Unit (MCU) technology, and now offers even greater value for money. The T2 is aimed at users that require protection from line voltage fluctuations and require a reliable and constant power source. The T2 is a sophisticated unit utilizing full digital control technology. Available with power rating of 1kVA, 2kVA and 3kVA each with LCD display and audible alarm keeping you quickly updated on mains and battery status. The T2 is also fitted with an intelligent test button enabling a self-test routine which also prevents the UPS from being inadvertently switched off.



## INTEGRATED SMARTCARD SLOT

Fitted with an RS232 interface and USB port, which when used with the supplied software allows UPS status monitoring via the connected PC. Support for optional SNMP network adapter is also provided enabling full network management functions. Under mains failure the T2 provides sinewave computer grade power and will start a controlled shutdown (when software installed) of your operating system and connected hardware, completely protecting your data and working documents.

## FEATURES:

- Extensive log files
- Scheduled battery and inverter testing
- Scheduled system shutdown/restart
- User-Customisable commands and messages
- Multiple UPS control from a single computer
- Remote Console Command module for remote multiple server shutdown
- Internal SNMP sub-agent for integration into existing NMS (e.g. HP OpenView, CA Unicenter)

## UPS MANAGEMENT

Our specialised optional UPS management software gives you the power to monitor and control your UPS from remote locations.

## UPS MANAGEMENT SOFTWARE

The UPS management software is installed on a server or workstation connected to each UPS via the serial or optional USB port. Power failure, power restored, battery failure or eight events will be detected and the user informed. A shutdown will be initiated when the batteries are near to exhaustion or a technical problem occurs with the UPS. The UPS management software disconnects network connections, logs out users and closes open applications (subject to application/operating system support) before shutting down the operating system itself.

**STAR**  
**T2 SERIES**  
1kVA - 3kVA



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SPECIFICATIONS	ST2010	ST2020	ST2030
<b>Capacity</b>			
Maximum Capacity	1000VA/700W	2000VA/1400W	3000VA/2100W
<b>Input</b>			
Input Voltage Range	220/230/240VAC $\pm$ 25% Single Phase w/Ground		
Input Frequency	44Hz ~ 56Hz		
<b>Output</b>			
Output Voltage	220/230/240VAC		
Output Voltage Regulation	$\pm$ 2%		
Output Frequency	46 ~ 54Hz		
Output THD	< 3%		
Efficiency (Battery Mode)	82%		
Output Frequency (Battery Mode)	50 $\pm$ 0.1Hz		
Overload Capability (Normal Mode)	Sustaining 5 min @ 100 – 200%; 3 sec @ > 200%		
Overload Capability (Battery Mode)	Sustaining 30 sec @ > 100%; 1 sec @ 150%		
<b>Battery</b>			
Battery Type	Sealed lead-acid maintenance-free 12VDC/7Ah per cell		
Number of Batteries	2 cells	4 cells	6 cells
Backup Time (at Full Load)	11 min	11 min	11 min
Recharge Time to 90%	< 8 hours (adjustable)		
Charge Current of Long Standby Model *	5A		
<b>Indication</b>			
LCD	AC Mode, Battery Mode, Output Status, Battery Capacity, Overload, UPS Fault		
<b>Audible Alarm</b>			
Battery Mode	Long beeping		
Low Battery	Continuous beeping		
Overload	Short beeping		
<b>Dimensions</b>			
W x H x D (mm)	150 x 220 x 460	220 x 330 x 487	220 x 330 x 487
<b>Weight</b>			
Net Weight w/ Battery (kgs)	19	32	42
<b>Environmental</b>			
Operating Temperature	-5 ~ 40° C		
Relative Humidity	< 95% (Non-Condensing)		
Audible Noise	<45dBA @ 1 meter		
Communication Port	Standard RS232; USB or SNMP/HTTP (optional)		

\* All T2 models have a long standby option with no built in batteries, this is the charge current of the long standby models. For long standby models, add "L" to the part number.

All information contained in this brochure is purely indicative and can not be used to form any contractual obligations. Specification or design can be changed at anytime without prior notice.