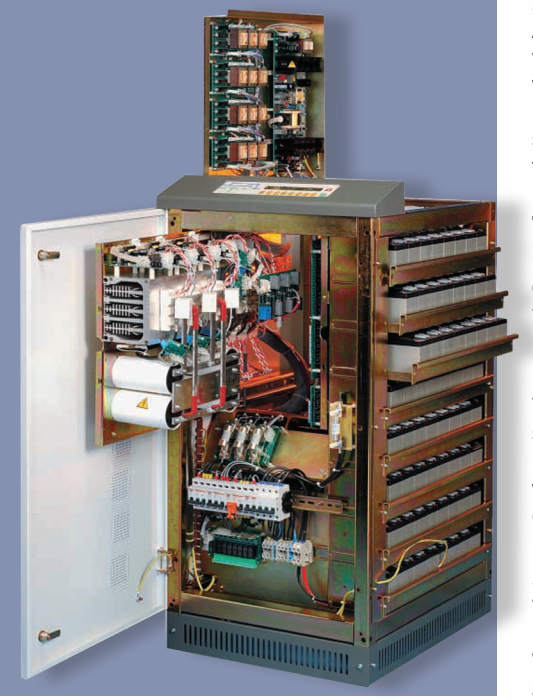
POWERHOUSE DISTRIBUTIONS

T2000 Series 20kVA-600kVA

With many thousands of units sold, the PHD T2000 series UPS is now legendary. Chosen by major enterprises around the world for its reliability and performance, words simply can't explain its phenomenal success. But we don't rest on our laurels, the T2000 has been modified and updated and now offers even greater performance. With a Mean Time Before Failure of power to the load in excess of 20 years the T2000 is even better value for money. And with power ratings from 50kVA to 600kVA and higher, the T2000 is engineered to offer power protection sufficient to support a whole building if required. And as your power requirements grow, more T2000 units can be added, offering superb flexibility.

EXPANDABLE TO PROTECT

For genuinely redundant power protection, UPS can be installed in either active parallel or hot standby mode, ready to take over the load automatically in the event of a critical component failure. The T2000 can be configured to function in either active parallel or hot standby mode, with up to 6 units in the array. In active parallel mode, the load is balanced across all the configured units, ensuring that no single member of the array is overstressed. If a unit needs to be shutdown for maintenance or repair, the remaining units in the array will rebalance the load and continue to provide uninterrupted protection. It is even possible to remove a unit from the array during an outage without affecting the load while the remaining units retain sufficient battery runtime. In hot-standby mode, one or more units support the load, while the remaining members of the array functions as standby unit. The standby unit is continually on-line, but only takes over the load when one of the primary units is no longer active. This means that there is no break when power is transferred, and the load continues to be supported without disturbance.



MANUAL AND STATIC BYPASS TO PROTECT

A manual by-pass switch allows power to be transferred directly to the mains without disturbance to the load. The UPS can then be safely powered down for maintenance or repair, on completion of the work the UPS can be powered up and the load once again transferred back to the UPS with no interruption in service. If the power demand of your equipment exceeds the overload level of the UPS the static switch defaults to the mains ensuring continuous power in the event of system abuse or short term overload conditions.

TIME TO PROTECT

In addition to providing sufficient run-time to save files and shutdown operating systems, autonomies of up to 8 hours are available allowing you the option to complete a day's work without disturbance to your equipment, even during a power cut!

UPS MANAGEMENT SOFTWARE

The UPS management software is installed on a server or workstation connected to each UPS via the serial 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 exhausted or a technical problem occurs with the UPS. The UPS management software disconnects network connections, logs out users and closes open applications (subject to app/os support) before shutting down the operating system itself.

SIMPLE NETWORK MANAGEMENT PROTOCOL (SNMP)

The T2000 SNMP external agent can be located up to 5 metres away from the UPS. Initial configuration is carried out by serial comms using any suitable terminal application (e.g. Hyperterminal for Windows). The embedded HTTP server presents an HTML interface to the network, which can be accessed from any web browser. All system parameters can be configured from here, including scheduled shutdown. A sophisticated Java applet provides full monitoring in real time, along with comprehensive event and history logs.

STAR

T2000 SERIES

20kVA - 600kVA

POWERHOUSE DISTRIBUTIONS

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SPECIFICATIONS*	3320	3330	3340	3350	3360	3380	33 100	33 120	33 150	33 200	33 250	33 300	33 400	33 500	33 600
Nominal Capacity - kVA	20	30	40	50	60	80	100	120	150	200	250	300	400	500	600
Input Nominal Voltage	200/208 V 3P or 380/400/415 V 3P + N or 440/465/480 V 3P														
Nominal Frequency	50 / 60 Hz (Can be used as frequency converter)														
Frequency Range	+ - 5%														
P.F. @ 400V at Nominal	0,83 or 0,93 with Input Filter/PFC														
Soft Start time	20-30 seconds														
Battery	12Vdc x 32 = 384Vdc														
Charge Current (Max)	8A	10A	15A		20A	30A	40A			60A					
Inverter Input															
Nominal Voltage	192 V for 200/208 V – 384 V for 380/480 V														
Inverter Output															
Nominal Voltage	200/208 V 3P or 380/400/415 V 3P + N or 440/465/480 V 3P														
Current at p.f 0.8	28.90	43.35	56.20	74.25	86.71	115.6	144	174	221	287	361	433	578	722.5	866.5
Nominal Frequency	50/60 Hz														
THD Linear load	=<1,5%														
THD at Non Linear load with Crest Factor 3:1	=<5%														
Static Voltage Regulation	+ - 1%														
Dynamic Voltage Regulation 0-100%	+ - 5%														
Output Frequency Regulation															
With Mains Synchronisation (%)	+/- 1; 1,5 ;2,4														
With Internal Micro	+ - 0,001%														
Load Crest (Ipk/Irms)	Better than 3 : 1														
Overload	110% for 60 min -- 125% for 10 min -- 150% for 1 min														
Efficiency AC-AC @ 100%	91.8	92.3	92.9	93	93.2	93.4	93.4	93.5	94.1	95.1	95.1	95.2	95.5	95.5	95.35
Mechanical Data															
Dimension (W x D x H) (mm)	600 x 750 x 1200				800 x 750 x 1200			1400 x 750 x 1200				2400 x 800 x 1800		3200 x 800 x 1800	
Weight (kg)	250	260	290	550	580	630	670	700	900	1100	1250	1500	1760	2450	2600

** Append "ST2000-" to the part number for each model.*