

# **DYNAMIC UPS (30KVA to 300KVA )**

## **MODULAR UPS SYSTEM**

### **PRODUCT FEATURES:**

- Online Double Conversion
- Parallel and Modular Redundancy
- High Efficiency of up to 98%
- Small Footprint
- 10" Touch Screen Colour LCD
- Smart Charging Management System, control the whole process of charging and discharging intelligently
- Comprehensive Monitoring Management
- Maintenance Alert



**ADVANCED DSP CONTROLLED TECHNOLOGY**

*Powered by the latest  
State of the Art Technology*

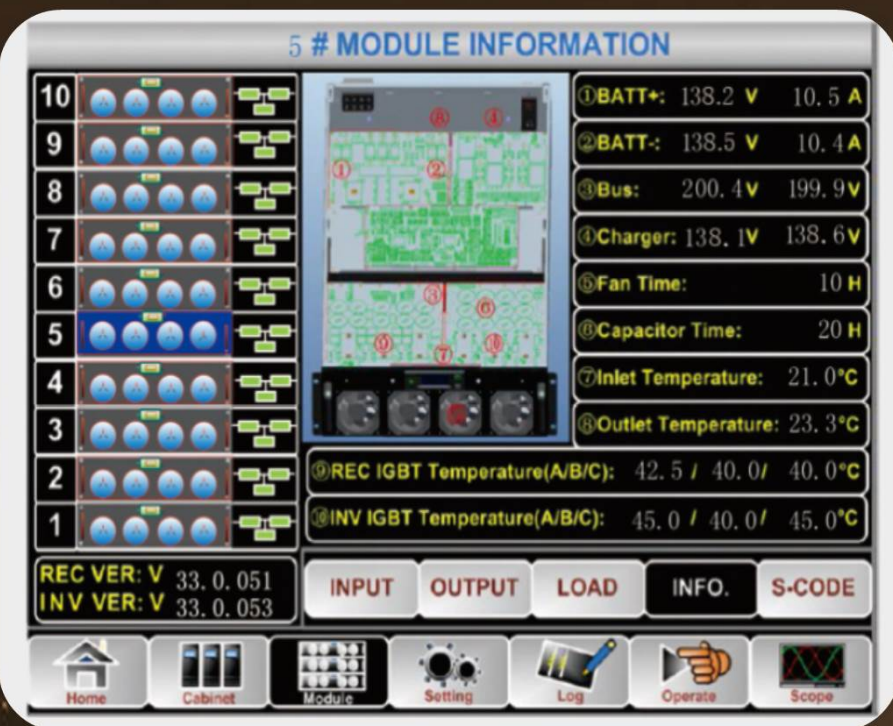
## STATE OF THE ART TECHNOLOGY

**D**ynamic modular UPS provides the compact footprint of less than 4.5m<sup>2</sup> with maximum capacity of 900kVA in parallel, designed to protect any critical load for medium and larger data center achieving maximum availability. The DYNAMIC series feature the latest technology of 3-level technology and PFC input control, which guarantees high efficiency of 94% and ultra-reliability, making it an excellent choice for medium and larger facilities.

## Independent LCD for Each Power Module



Each power module has an independent LCD which gives users' direct overview of status data and alarms in real time.

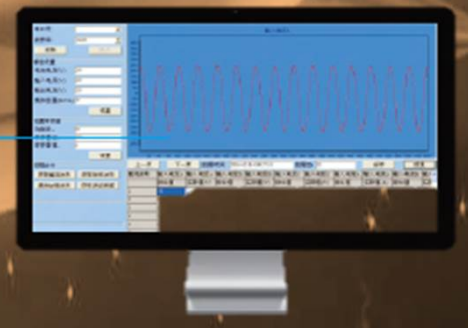
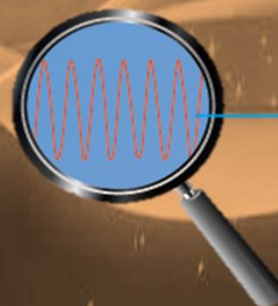


## Comprehensive Monitoring Management

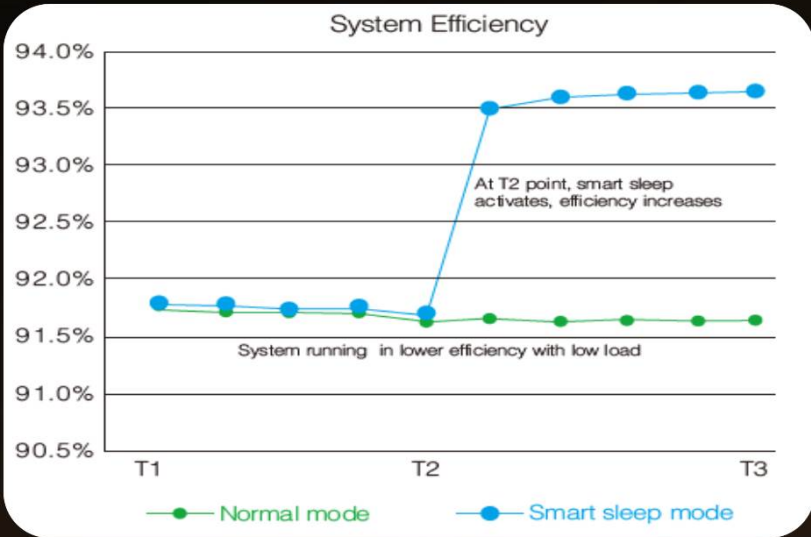
Critical components are being monitored and displayed in real time. Other features like the maintenance alerts, running time of the capacitors and fans status are included in the monitoring management. Besides these, it is also equipped with comprehensive temperature monitoring capability to detect abnormal temperature within the UPS. This will enable the UPS to switch to bypass mode if temperature falls out of the tolerance range. It is also armed with an Intelligent battery charger which manages the battery charging process to ensure batteries are conditioned to the optimum.

## Waveform Recording

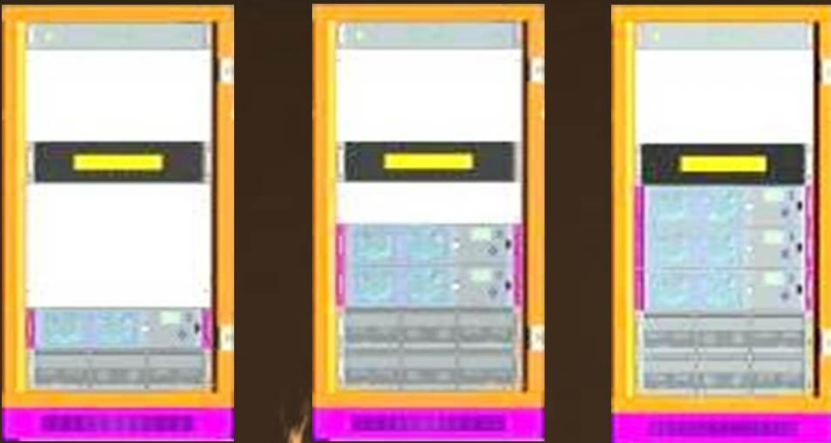
Dynamic UPS can record and save the data of the main parameters automatically for fault analysis. Having the ability to record data information in waveform, it aims to provide a straightforward analysis to spot the failures as well as to avoid future similar faults.



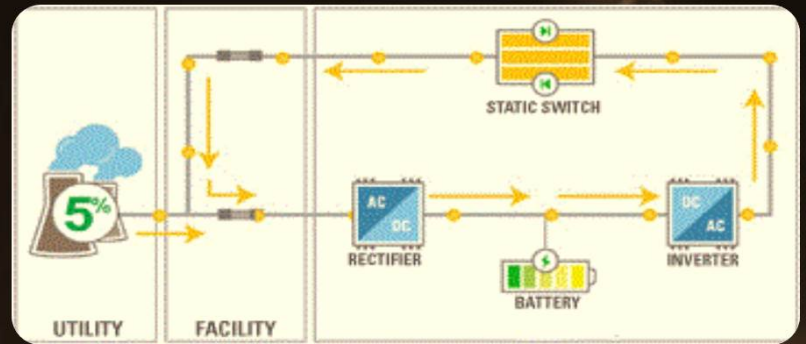
## Smart Sleep Function



Dynamic UPS is equipped with Smart Sleep function which allow unneeded power modules to be on ready state when load is relatively low. It achieves high system efficiency by intelligently optimizing the system according to load level. Users can select sleep mode and rotation period so that the power modules can work on rotational basis, thus prolonging the overall life span.



## Advanced Self Aging Function



Self-aging is an advanced function that tests the UPS under different load situation without having to deploy a real load, thus saving more than 90% of energy. In other words, different load conditions can be simulated as and when needed on site.

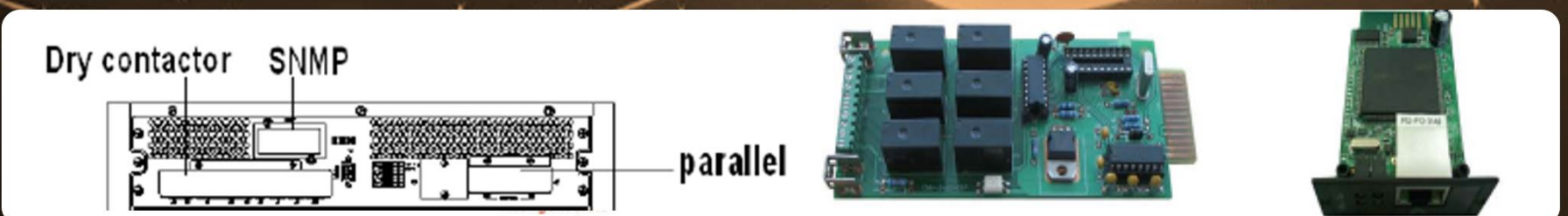


## N+X Parallel Redundancy

With its N+X Parallel Redundancy technology, the DYNAMIC UPS series is able to configure their modules according to the protection level required by the equipment connected. The standard frame contains all the necessary accessories and devices for future expansion. The new module can be simply plugged into the system and the system will automatically detects the paralleled modules and configure itself for parallel operations.

## Versatile Communication Interfaces

Besides having the usual RS232 interface, the UPS can be monitored and controlled via RS485, Dry Contact or Ethernet (SNMP) card. This unique solution allows you to conveniently monitor and manage your UPS with a standard Web browser, while simultaneously providing graceful shutdown for multiple computer systems over the network.



## PowerHub Dynamic UPS (30KVA to 300KVA) Series

### MODELS

MODEL NAME	Dynamic 60K-UTT	Dynamic 120K-UTT	Dynamic 180K-UTT	Dynamic 300K-UTT
UPS Capacity (VA/Watt)	60KVA / 54KW	120KVA / 108KW	180KVA / 162KW	300KVA / 270KW
Module Capacity (KVA/KW)	30KVA / 27KW			
Noise (dB)	68dB @ 100% Load 65 dB @ 45% Load	72dB @ 100% Load 69 dB @ 45% Load		
Dimension WxDxH (mm)	600 x 980 x 1150	600 x 960 x 1600	600 x 960 x 2000	1300 x 1100 x 2000
Frame Weight (kg)	210	350	490	900
Module Weight	45KG			

### BATTERY

Battery Voltage (VDC)	± 120
Charge Current (A)	1% to 20% of System Power

Due to ongoing product improvements, specifications are subject to change without notice.

### TECHNICAL SPECIFICATIONS

#### Electrical Input

Input Voltage: 200/208/220VAC  
(3 Phase + Neutral + Ground)

Input Voltage: 166 – 261Vac, full load

Frequency Range : 40~70Hz

THD: <3% (linear load)

#### Electrical Output

Output Voltage: 200/208/220VAC

Frequency: 50/60Hz

Power Factor: 0.9

Efficiency: 94% Normal

Efficiency: 94% Battery

Overload: <110% - 60mins  
<125% - 10mins  
<150% - 1min

#### Environmental

Operating Temperature: 0 to 40°C

Storage Temperature: -40 to 70°C

Relative Humidity: 0 ~ 95%, No condensation

IP Class: IP20

#### Communication Interface

1x RS232, 1 x RS485, 1x Dry Contact

Optional: 1 x SNMP Card slots , Lightning protection components, Dust filter, LBS

#### Standards

Safety: IEC/EN62040-1, IEC/EN60950-1

EMC: IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3,  
IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8