PowerHub

Providing Optimum Power To Your Business

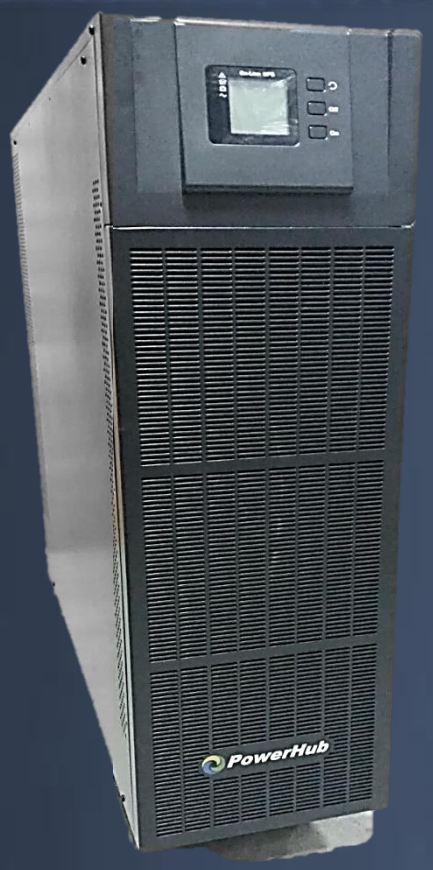
CLASSIC UPS

- Power rating of 10KVA to 80KVA
- Online Double Conversion with DSP control
- Wide input voltage range: 208VAC to 478VAC
- Output transfer time of 0ms
- Support internal batteries and external batteries
- High power density, output power factor 0.9
- Support generator input
- Small footprint for a 3 Phase UPS
- Superior overload capability
- Parallel Redundancy of up to 4 units

Your Power In Safe Hands

For more inquiries, please contact sales at **65708068**. For more PowerHub product details, log on to **www.powerhub.com.sg**

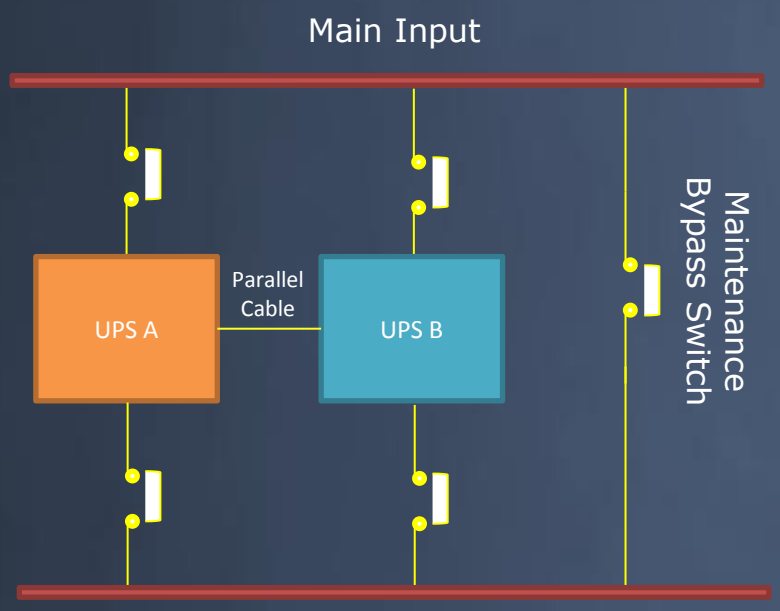
Only PowerHub UPS saves money and energy without sacrificing availability



Classic series UPS is a high frequency online 3 phase UPS that operates using IGBT inverter technology that delivers performance and value to users who want to take advantage on having maximum power delivered with cost savings in mind. The enhanced features of ECO and parallel redundancy function provide high efficiency and scalability. Designed with high input power factor and low input current harmonic distortion, Classic UPS has the capability to reduce power disturbances and interference to connected loads.

Because of its small footprint design, Classic series UPS caters for users who require more floor area for other equipment in a space demanding environment.

Last but not least, with the advantages of high efficiency, performance and reliability built within this UPS, it provides continuous power protection for network data centers, communication, broadcasting, information processing and even manufacturing industry.



N + X Parallel Redundancy

To achieve a higher capacity and/or increase reliability, the outputs of up to four UPS systems can be programmed to operate in parallel and the built-in parallel controller in each UPS ensures automatic load sharing.

Application

- Computer room
- Data center
- Precision instrument
- Intelligent equipment
- Financial & Telecommunications

EXCELLENT PERFORMANCE | **HIGH RELIABILITY** | **BEST QUALITY**

LCD Control Panel
Provides an overview of UPS status and estimated battery runtime.

ECO Mode
In the case when the load is not so critical, ECO mode can be activated in order to improve the power efficiency. When there is an incoming power failure, the UPS will then transfer from ECO mode to inverter mode and supply power from the battery to the connected load.

It's about technology working for people rather than people working for technology

Besides having the usual RS232 interface, the UPS can be monitored and controlled via 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 in the event of power failure.

The PowerHub Classic UPS range is dedicated to the electrical protection of your IT networks and loads against power supply problems and electrical disturbances.

PowerHub

PowerHub Classic Series

MODELS

MODELS	Classic 10K-TT (Std/Ext)	Classic 15K-TT (Std/Ext)	Classic 20K-TT (Std/Ext)	Classic 30K-TT (Std/Ext)	Classic 40K-TT (Ext)	Classic 60-TT (Ext)	Classic 80-TT (Ext)
Rating (VA/Watt)	10K / 9K	15K / 13.5K	20K / 18K	30K / 27K	40K / 36K	60K / 54K	80K / 72K
Dimension WxDxH (mm)	250x828x868					360x828x868	
Weight (kg)	115(Std) / 57(Ext) 235(EBP)	170(Std) / 63(Ext) 235(EBP)	171(Std) / 64(Ext) 235(EBP)	223(Std) / 71(Ext) 235(EBP)	73(Ext)	118(Ext)	122(Ext)

BATTERY

Battery Voltage (VDC)	Std Model: ±120V Ext Model: ±96V/±108V/±120V	Std Model: ±120V Ext Model: ±96V/±108V/±120V	Std Model: ±120V Ext Model: ±96V/±108V/±120V	Ext Model: ±192V/±204V/±216V/ ±228V/±240V		
BATT Type / Number	Std Model: 12V/9Ah x 20pcs Ext Model EBP: 16/18/20pcs x 4 strings (optional)	Std Model: 12V/9Ah x 20pcs x 2 strings Ext Model EBP: 16/18/20pcs x 4 strings (optional)	Std Model: 12V/9Ah x 20pcs x 3 strings Ext Model EBP: 16/18/20pcs x 4 strings (optional)	Ext Model: 32/34/36/38/40pcs (optional)		
Charger Current (A)	1.35(Std) 10(Ext)	2.7(Std) 10(Ext)	4.05(Std) 15(Ext)	15(Ext)	30(Ext)	30(Ext)

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

TECHNICAL SPECIFICATIONS

Electrical Input

Input Voltage: 380/400/415 (3 Phase 4W+PE)

Frequency Range : 50Hz - 45~55Hz，
60Hz - 54~66Hz
40Hz – 70Hz (For 60KVA model and above)

Electrical Output

Output Voltage: 380/400/415 ± 1%

Power Factor: 0.9

Crest Factor: 3:1

Efficiency: 93.5% (For 10KVA models only)
94.5% (For 15KVA to 80KVA models)

Transfer Time: 0ms (Mains – Battery)
0ms (Mains – Bypass)

Overload: Load ≤ 110% : 60mins，≤ 125% : 10mins，
≤ 150%: 1min，≥150% : Immediate Shutdown

THD: <2% (linear load), <5% (non linear load)

Environmental

Operating Temperature: 0 ~ 40˚C

Relative Humidity: 0 ~ 95%, No condensation

Noise: <55dB (for 10KVA model)
<58dB (for 15KVA to 40KVA model)
<63dB (for 60KVA model and above)

Altitude: <1500m

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

Others

Display: LCD indicates Load/Battery/Input/Output

Communication: RS232, USB, Relay card (optional), SNMP card (optional)

Alarm: AC failure, Low battery, Overload, Fault

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