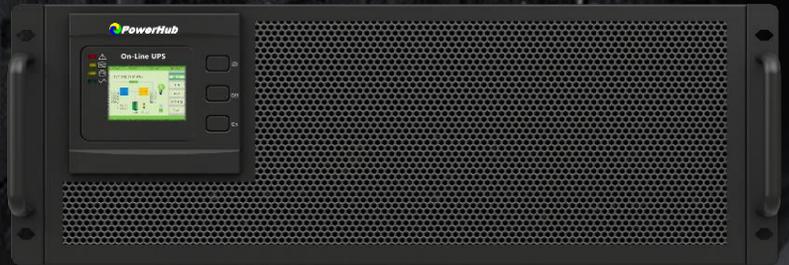




NOW ARMED WITH THE LATEST
3 LEVEL IGBT TECHNOLOGY



Prestige SA 10kVA to 30kVA



Prestige SA 40kVA to 50kVA

PRESTIGE SA UPS

Powered by the latest State of the Art Technology

The Prestige SA UPS Series is a rack-tower convertible Online UPS that employs a double conversion design with DSP full digital control to ensure a stable power supply for critical loads. It effectively eliminates surges, high and low voltage fluctuations, as well as power pollution like electrical noise and frequency deviations. This UPS offers customers high efficiency and high power density, guaranteeing reliable power delivery. It is designed to fit into standard 19-inch server cabinets in micro-module data centres. Each single cabinet has a capacity of up to 50kVA/50kW, and the system supports up to 6 units in parallel for increased capacity and redundancy.

SPECIAL FEATURES

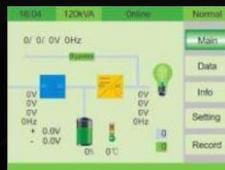
Rack Convertible

Designed for seamless integration, this rack is fully compatible with standard 19" rack cabinets, making it easy to incorporate with your servers for a streamlined setup.



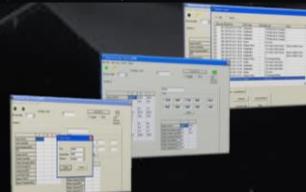
User Interface

An easy-to-use LCD with a vivid graphic display that delivers comprehensive information at a glance



Flexible configuration

The system offers versatile configuration options, allowing you to set it up as 3-phase in, 3-phase out, or 3-phase in, 1-phase out to meet your specific power needs.



Battery management

The system features a controlled charging and discharging process, which effectively extends the battery's service life.



Critical applications that cannot be allowed to go off line must be guaranteed by a constant supply of high-quality power.

PRESTIGE SA UPS Features and Benefits

The Prestige SA UPS is an online UPS engineered for three-phase IT systems (input/output) at 415/400V, providing straightforward, dependable, and cost-effective power solutions. The UPS employs online double-conversion technology, where incoming AC power is continuously converted to DC and then back to AC. This process ensures a stable and clean output voltage, protecting connected equipment from power disturbances such as surges, sags, and spikes. By maintaining a constant flow of power through its online double-conversion process, the Prestige SA UPS provides high efficiency. It also offers reliable protection against power interruptions, ensuring uninterrupted operation of critical IT systems.

OVERVIEW

- High input/ Output power factor = 1 (input 0.999);
- Wide input voltage range(138~485Vac);
- On-line double conversion with DSP control design;
- 3-Level inverter, IGBT PFC, high efficiency is up to 95.5%;
- Support connecting to unbalance load;
- 10~30kVA support maximum 4 units in parallel,
- 40~50kVA support maximum 6 units in parallel;
- Intelligent fan speed regulation;
- Battery number 30-50pcs settable
- Common Battery Bank;
- For 40-50kVA, with LBS port as standard, compliance class A requirement;
- Loop parallel signal control system, avoid any single failure;
- Flexible Dual & Separate input source configuration;
- Multiple communication interface: USB, RS232, RS485, Parallel port, Dry contact port,
- Back feed port, LBS port (40-50kVA), REPO port, Intelligent slot SNMP card optional,
- Relay card (optional for 40-50kVA), Battery temperature sensor (Optional);
- High power density design, require smaller footprint space;
- Structured design easy for maintenance;



UPS connected in parallel



Dedicate to stable and continuous power

Reduce Total Cost of Ownership

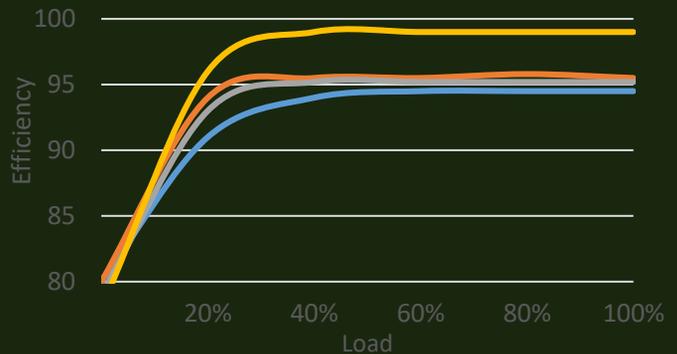
The Prestige SA UPS is more efficient than a conventional monolithic UPS, thanks to a number of leading technologies. Utilizing sophisticated energy management systems, the UPS can dynamically adjust its operating parameters based on real-time load conditions. This capability optimizes energy usage and ensures that power delivery is always aligned with the current demand, further enhancing efficiency.

Enhancing Efficiency Technologies

Lower energy consumption

AC Mode Efficiency: The UPS operates with an efficiency of up to 95.5% in AC mode, ensuring that energy is used effectively, reducing waste and operational costs.

ECO Mode Efficiency: With an impressive efficiency of up to 99.1% in ECO mode, this UPS minimizes energy consumption, making it an environmentally friendly option. This high efficiency can lead to significant cost savings over time, which is a major selling point for businesses looking to reduce their energy bills.



Advanced Features



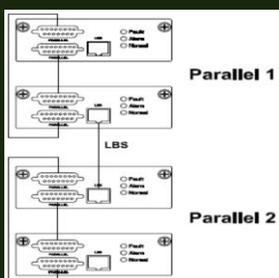
Intelligent Fan Speed Regulation:

This feature adjusts the fan speed based on the load and temperature, ensuring optimal cooling while minimizing noise. This not only enhances the user experience by creating a quieter environment but also extends the lifespan of the UPS by preventing overheating.



Parallel Configurations:

The ability to support parallel configurations (up to 4 units for 10-30kVA and 6 units for 40-50kVA) allows businesses to expand their power capacity as needed. This scalability is crucial for growing businesses, as it provides the flexibility to increase power capacity without needing to replace the entire UPS system.



Load Bus Synchronization (LBS)

The function of LBS is to keep the output of two independent UPS systems in synchronization even when the two systems are operating on different modes (bypass/inverter) or on batteries.



Multiple Communication Interfaces:

The UPS supports various communication interfaces, including USB, RS232, and RS485. This flexibility allows for easy integration with different systems and makes it suitable for a wide range of IT environments. It ensures that the UPS can communicate effectively with other devices, providing real-time monitoring and management capabilities.

TECHNICAL SPECIFICATIONS

MODEL	Prestige SA 10K-TT	Prestige SA 15K-TT	Prestige SA 20K-TT	Prestige SA 25K-TT	Prestige SA 30K-TT	Prestige SA 40K-TT	Prestige SA 50K-TT
Capacity (VA/Watts)	10kVA/10kW	15kVA/15kW	20kVA/20kW	25kVA/25kW	30kVA/30kW	40kVA/40kW	50kVA/50kW
INPUT							
Nominal voltage	380/400/415Vac, (3Ph+N+PE)						
Operating voltage range	138~485Vac						
Operating frequency range	40Hz-70Hz						
Power factor	≥0.99						
Harmonic distortion (THDi)	≤3% (100%non-linear load)						
Bypass voltage range	220Vac Max.voltage: +25%(optional +10%,+15%,+20%) 230Vac Max.voltage: +20%(optional +10%,+15%) 240Vac Max.voltage: +15%(optional +10%) Min. voltage: -45% (optional -20%,-30%) Frequency synchronize tracing range: ±10%						
Generator input	Support						
OUTPUT							
Output voltage	380/400/415Vac (3Ph+N+PE)						
Voltage regulation	±1%						
Power factor	1.0						
Output frequency	1.Line Mode: synchronize with input; when input frequency >±10% (±1%/±2%/±4%/±5% optional) 2.Battery Mode:50/60*(1±0.02%)Hz						
Crest factor	3:1						
Harmonic distortion (THD)	≤2% with linear load ≤4% with non linear load						
Efficiency	95.5%						
BATTERY							
Battery voltage	Optional Voltage: ±180V/±192V/±204V/±216V/±228V/±240/±252/±264/±276/±288/±300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs optional) 360Vdc~600Vdc (30~50 pcs, 36 pcs define, 36~50 pcs no power derating; 32~34 pcs output power factor 0.9; 30 pcs output power factor 0.8;)						
Charge Current(A) (charge current can be set according to battery capacity installed)	Max. current 18A					Max. current 20A	
SYSTEM FEATURES							
Transfer time	Utility to Battery : 0ms; Utility to bypass: 0ms						
Overload	Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min						
Alarm	overload, utility abnormal, UPS fault, battery low, etc.						
Backfeed	Support						
Protection	short circuit, overload, over temperature, battery low, fan fault alarm.						
Communication	10-30kVA	USB, RS232, RS485, Parallel port, Dry contact port, REPO port, Backfeed port, Intelligent slot, SNMP card (optional)					
	40-50kVA	USB, RS232, RS485, Parallel port, REPO port, LBS port, Backfeed port, Intelligent slot, SNMP card (optional), Relay card (optional)					
ENVIRONMENTAL							
Operating temperature	0°C~40°C						
Storage temperature	-25°C~55°C(no battery)						
Humidity range	0~95% (non condensing)						
Altitude	< 1500m.When>1500m,lower the rated power for use						
Noise level	<55dB					<56dB	<58dB
PHYSICAL							
Dimension D×W×H (mm)	670×440×130(3U)					800×440×175 (4U)	
Net weight (kg)	25	27				45	48
STANDARDS							
Safety	IEC/EN62040-1,IEC/EN60950-1						
EMC	IEC/EN62040-3,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8						

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