

Supreme UPS Series



Technology: Online Double Conversion
Rating: 10kVA – 200kVA
Voltage: 400VAC
Configuration: Tower

Not only does PowerHub Supreme UPS Series with Isolation Transformer operates using IGBT inverter technology that bring performance and value, the enhanced features of ECO and EPO function provides high efficiency (95.5%) and scalability. It has high input power factor and low input current harmonic distortion and is considered to be part of a new generation of green power device.

With the advantages of high efficiency, performance and reliability, it provides power security for network data centers, communication, broadcasting, information processing and manufacturing industry.

Applications:

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

Product Highlights:

- Full DSP-controlled technology
- Parallel redundancy up to 4 units
- Wide input voltage and frequency windows
- Easy-to-operate LCD display
- High power density up to 200kVA
- Unity power factor and low input distortion
- ECO mode for energy saving
- Programmable battery voltage ± 192 to ± 240 Vdc
- Intelligent charge modes with smart charge current adjustment
- Megatec / Modbus protocol supported
- Powerful charger built in
- Versatile communication interfaces provided for different applications
- Superior overload capability
- Programmable control and monitoring software

Versatile LCD
Control Panel



TECHNICAL SPECIFICATIONS – PowerHub Supreme Series

MODEL	Supreme 10K-TT (Std/Ext)	Supreme 15K-TT (Std/Ext)	Supreme 20K-TT (Std/Ext)	Supreme 30K-TT (Std/Ext)	Supreme 40K-TT (Ext)	Supreme 50K-TT (Ext)	Supreme 60K-TT (Ext)	Supreme 80K-TT (Ext)	Supreme 100K-TT (Ext)	Supreme 120K-TT (Ext)	Supreme 160K-TT (Ext)	Supreme 200K-TT (Ext)
Rating (KVA/KW)	10/9	15/13.5	20/18	30/27	40/36	50/45	60/54	80/72	100/90	120/108	160/144	200/180
INPUT												
Voltage (VAC)	380/400/415 (208 ~ 478)											
Frequency (Hz)	40 ~ 70											
Phase	3 Phase 4W+PE											
THDi	2% at non-linear											
Generator Input	Support											
OUTPUT												
Voltage (VAC)	380/400/415 ± 1%											
Frequency (Hz)	± 1%/± 2%/± 4%/± 5%/± 10% of the rated frequency (line mode) 50/60 ± 1% (battery mode)											
Phase	3 Phase 4W+PE											
Power factor	0.9											
Crest factor	3:1											
THD	≤2% (linear load) ≤5% (non-linear load)											
Efficiency	≤94.5%			≤95%								
Transfer Time	0ms											
Overload	< 110% for 60mins < 125% for 10mins < 150% for 1min Above 150% for 0sec											
BATTERY												
Voltage (VDC)	±216 (Std) ±192/±204/±216/±228/±240 (Ext)											
BATT Type	36pcs 12V/38Ah (Std)				External							
Charger Current (A)	5.7 (Std) 6.0 (Ext)		12		18		30		40		50	
OTHER												
Comm. Interface	RS232, RS485, Parallel port, Relay card (optional), SNMP card (optional)											
Alarm	Line failure, Battery low, Overload, System fault											
Display	LCD display indicates frequency, voltage, load, battery voltage, etc.											
Protection	Low battery, Overload, Short circuit, Overheat, UPS failure and Input over/low voltage											
Noise (dB)	<55						<65			<70		
Operating Temperature	0 ~ 40°C											
Relative Humidity	0 ~ 95%, No condensation											
Altitude	<1500m											
Dimension (mm) WxDxH	600x780x1200								600x850x1600			
Weight (Kg)	598(Std) 129(Ext)	600(Std) 131(Ext)	602(Std) 133(Ext)	163	170	194	199	345	379	413		

* (Std) refers to standard model

* (Ext) refers to long backup model, extended battery module is required

* Specifications are subject to change without prior notice

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