

# Standardized UPS Systems



### PowerLead Series (1-30KVA) UPS

The Magellan Power PowerLead Series is a true on-line UPS designed to protect against a wide variety of potential power problems. These include problems such as spikes, surges, noise, sags, over and under voltage conditions, waveform distortion and extended brownouts, as well as blackouts and even difficult-to-track harmonics and dangerous frequency variations common to a standby generator. It provides superior communication capabilities via hot-swappable SNMP cards and can be treated as a fully-interactive network node by your network management software.

#### Product Features

- True on-line double conversion technology
- Wide input voltage range
- Zero transfer time
- Protection against all types of power problems
- Self test while starting of the UPS
- Site wiring fault warning (1~3 KVA)
- Built-in maintenance bypass switch (6~30KVA)
- Cold Start
- Smart RS-232 communication interface
- Intelligent slot available



General Specification for PowerLead UPS

Model	PL1000	PL2000	PL3000	PL6000	PL10K	
<b>Power (VA / Watts)</b>	1KVA / 700W	2KVA / 1400W	3KVA / 2100W	6KVA / 4200W	10KVA / 7KW	
<b>Input</b>	<b>Voltage</b>	120~300VAC			176~276VAC	
	<b>Frequency</b>	50Hz ± 7%				
	<b>Power Factor</b>	≥0.95				
	<b>Current</b>	6A (max)	12A (max)	16A (max)	29.6A (max)	48A (max)
<b>Output</b>	<b>Voltage</b>	220VAC to 240VAC				
	<b>Frequency</b>	50Hz ± 0.5%				
	<b>Power Factor</b>	0.7				
	<b>Total Harmonic Distortion</b>	THD ≤ 3% (full linear load)			THD ≤ 4% (full linear load)	
	<b>Overload Capability</b>	>130% for 2s				
		>105% for 30s			>105% for 10min	
<b>Crest Factor</b>	3:1 (max)					
<b>Transfer Time</b>	0ms; bypass/inverter transfer: 2.5ms,			0ms; bypass/inverter transfer: ≤1ms		
<b>Battery</b>	<b>Type</b>	Maintenance free valve regulated lead acid battery (VRLA)				
	<b>Voltage</b>	36V (3 batteries 12V)	96V (8 batteries 12V)		240V (20 batteries 12V)	
	<b>Float Charge Voltage</b>	41.3V	110V		274V	
	<b>Cut Off Voltage</b>	33V	87V		220V	
	<b>Discharge Current</b>	26A (max)	20A (max)	30A (max)	24A (max)	40A (max)
	<b>Charge Current</b>	5A			4A	6A
<b>Environment</b>	<b>Operating Temperature</b>	0~40°C				
	<b>Relative Temperature</b>	0~90°C non-condensing				
	<b>Altitude</b>	<1500m				
<b>Dimensions (WxDxH) (mm)</b>	160 x 405 x 220	212x455x300		260 x 710 x 555		
<b>Weight</b>	<b>Net Weight (KG)</b>	11.5 / 15	22 / 33	23 / 34	45 / 89	47
	<b>Total Weight (KG)</b>	13.5 / 17	24 / 35	25 / 36	48 / 92	50
<b>Computer Interface</b>	9Pin D Type Connector					
<b>Notes</b>	Product specifications are subject to change without notice					



General Specification for PowerLead UPS

Model	PL15K	3PL10K	3PL15K	3PL20K	3PL30K	
<b>Power (VA / Watts)</b>	15KVA / 10.5KW	10KVA / 7KW	15KVA / 10KW	20KVA / 14KW	30KVA / 21KW	
<b>Input</b>	<b>Voltage</b>	176~276VAC	304~478VAC			
	<b>Frequency</b>	50Hz ± 7%				
	<b>Power Factor</b>	≥0.95				
	<b>Current</b>	72A (max)	20A (max)	28A (max)	36A (max)	52A (max)
<b>Output</b>	<b>Voltage</b>	220VAC to 240VAC				
	<b>Frequency</b>	50Hz ± 0.5%				
	<b>Power Factor</b>	0.7				
	<b>Total Harmonic Distortion</b>	THD ≤ 4% (full linear load)		THD ≤ 5% (full linear load)		
	<b>Overload Capability</b>	>130% for 2s				
		>105% for 10min				
<b>Crest Factor</b>	3:1 (max)					
<b>Transfer Time</b>	0ms; bypass/inverter transfer: ≤1ms					
<b>Battery</b>	<b>Type</b>	Maintenance free valve regulated lead acid battery (VRLA)				
	<b>Voltage</b>	240V (20 batteries 12V)			384V (32 batteries 12V)	
	<b>Float Charge Voltage</b>	274V			440V	
	<b>Cut Off Voltage</b>	220V			352V	
	<b>Discharge Current</b>	60A (max)	40A (max)	60A (max)	80A (max)	75A (max)
	<b>Charge Current</b>	8A	6A	8A		10A
<b>Environment</b>	<b>Operating Temperature</b>	0~40°C				
	<b>Relative Temperature</b>	0~90°C non-condensing				
	<b>Altitude</b>	<1500m				
<b>Dimensions (WxDxH) (mm)</b>	325 x 630 x 780	260 x 710 x 555	325 x 630 x 780	350 x 675 x 820	380 x 730 x 1150	
<b>Weight</b>	<b>Net Weight (KG)</b>	42	47	75	83	128
	<b>Total Weight (KG)</b>	85	50	85	95	140
<b>Computer Interface</b>	9Pin D Type Connector					
<b>Notes</b>	Product specifications are subject to change without notice					



## PowerStation Series (1-20KVA) UPS

The Magellan Power PowerStation Series is a true on-line UPS which employs advanced IGBT transistor technology with compact space-saving design. It is user-friendly, offers excellent efficiency and has minimal installation and maintenance costs.

PowerStation UPS eliminates a wide range of potential power problems including spikes, surges and extended overvoltage, noise and other transients as well as sags and extended brownouts. Harmonics and dangerous frequency variations that are common with standby generator operation are also eliminated. SNMP communications means the PowerStation series on-line UPS allows your network management software to treat the UPS as a fully-interactive network node.

### Product Features

- True on-line double conversion technology
- High reliability and efficiency
- Wide input voltage range
- Intelligent digital display
- Generator Compatible
- RS - 232 communication & optional SNMP
- Easy installation and maintenance
- CPU Centralized control
- Pure sine-wave output
- IGBT technology
- Compact design



**General Specifications of PowerStation UPS**

General Specifications of PowerStation UPS								
<b>Model</b>	PS01	PS02	PS03	PS05	PS06	PS10	PS15	PS20
<b>Rated Power</b>	1KVA	2KVA	3KVA	5KVA	6KVA	10KVA	15KVA	20KVA
<b>AC Input</b>	<b>Voltage</b>	220Vac to 240 Vac						
	<b>Frequency</b>	50Hz±10%						
	<b>Phase</b>	Single Phase						
<b>Control</b>	MOSFET	IGBT SPWM						
<b>AC Output</b>	<b>Voltage</b>	220Vac to 240Vac						
	<b>Frequency</b>	50Hz±0.5%						
	<b>Waveform</b>	Sine wave, THD<3% (0-100% linear load)						
	<b>Overload</b>	120% rated current: switch to bypass after 60 seconds						
	<b>Capability</b>	150% rated current: switch to bypass after 10 seconds						
	<b>Power Factor</b>	0.8 lagging						
	<b>Crest Factor</b>	3:1						
<b>Voltage Transient (Step Load) Response:</b>	±4% for 100% step load change (resistive load)							
<b>Transfer Time</b>	0ms							
<b>Battery</b>	<b>Type</b>	Sealed lead acid maintenance free battery, leak proof						
	<b>Backup Time</b>	Standard back-up time 5-10 minutes, extendable to 8 hours						
	<b>Recharge Time</b>	90% capacity in 7-10 hours						
	<b>DC Voltage</b>	48VDC	96VDC	120VDC	192VDC			
<b>System Efficiency</b>	>75%	>80%	>82%			>86%		
<b>Inverter Efficiency</b>	>75%	>90%	>91%			>93%		
<b>Protection</b>	Limit current output on overload, short circuit protection, spike protection, safety complies with CCEE EN60950							
<b>EMI</b>	Complies with EN59001							
<b>Display</b>	<b>LED</b>	Input / bypass / inverter/ battery / overload						
<b>Alarm</b>	<b>Main Power Fault</b>	Alarm beeps every 4 seconds						
	<b>Low Voltage</b>	Alarm beeps every second (battery discharged)						
	<b>Overload</b>	Alarm beeps two for every second						
	<b>UPS Fault</b>	Continuous beeping						
<b>Interface</b>	<b>RS232</b>	Supports Windows 95/98/2000/NT/XP, NOVELL NETWORK, UNIX, SNMP optional						
<b>Ambient Temperature</b>	0°C-40°C (32°F to 104°F)							
<b>Relative Humidity</b>	0-90% non-condensing							
<b>Audible Noise</b>	<55dB					<60dB		
<b>Weight (without battery)</b>	36.0kgs	55.5kgs	63.5kgs	83.0kgs	90.5kgs	139kgs	176kgs	222kgs
<b>Dimensions (WxHxD) (mm)</b>	235x350x470	235x500x610		270x700x635		550x980x440		580x1180x480



## PowerPlus Series (10-100KVA) UPS

The Magellan Power PowerPlus series is a state-of-the-art multimode UPS based on true online topology. A modular design with large power capacity and superior quality, the PowerPlus series features leading technology including N+X modules, hot-insertion, and a user-upgradeable system. As the load increases you can insert up to ten 10 kVA hot-swap plug-in modules. The PowerPlus series can also be configured in parallel for N+X redundancy.

The PowerPlus series UPS features hot-swap plug-in, multimode, distributed parallel connection and a touch screen. Each layer and module is independently installed, allowing for efficient extension and upgrade of the system whilst at the same time providing simple, fast, reliable and secure output.

### Product Features

Scalable

Multiple parallel redundancy

Energy Saving

Supports Hot-swap plug in

Configuration Options: Single phase in/Single phase out, Three phase in/Three phase out, Three phase in/Single phase out, Single phase in/Three phase out

Touch screen controls



General Specifications of PowerPlus UPS						
Model	P+10	P+20	P+30	P+40	P+50	
Output Capacity	10KVA	20KVA	30KVA	40KVA	50KVA	
AC Input	Rated Voltage	Three phase four line input (rated voltage 415Vac) or Single phase two line input (rated voltage 240Vac)				
	Phase Missing	Where one phase missing from input and other two remain normal, output is 50% of rated capacity; Where two phases missing from input and other one remains normal, output is 25% of rated capacity;				
	Voltage Range	Line voltage 277~468Vac or phase voltage 160~270Vac				
	Frequency Range	50Hz±5Hz				
	Power Factor	≥0.99				
	Current Harmonic	≤5%				
Bypass Input Range	170Vac~270Vac					
AC Output	Rated Power	8KW	16KW	24KW	32KW	40KW
	Single Module Rated Power	10KVA(8KW)				
	Rated Voltage	Three phase four line input (rated voltage 415Vac) or Single phase two line input (rated voltage 240Vac)				
	Rated Frequency	50Hz±0.01Hz during unlocking condition				
	Voltage Precision	415 Vac±2% or 240Vac±2%				
	Voltage Imbalance	±3% (100% Unbalanced Load)				
	Voltage Phase Deviation	≤3°				
	DC Component	±1V				
	Frequency Tracking Range	46~54Hz				
	Frequency Tracking Rate	≤1Hz/s				
	Voltage Distortion	≤2%(Linear load); 5% (Non-linear load)				
	Peak Factor	3:1				
	Power Factor	0.8				
	Range Time of Pulse Response	<20ms				
	Recover Time of Pulse Response	≤40ms				
	Overload Capacity	103~110% for 10 min, 110~120% for 1min, >120% for 200ms				
Short-circuit Characteristics	Protection function: phase voltage short-circuit, line voltage short-circuit, single unit short-circuit, paralleling system short-circuit, when protection function operating, output automatically shut down.					
Voltage Protection	Exceed 240±V20%, output automatically shut down					
Battery	<b>Parameters</b>					
	Connection Mode	Two battery banks				
	Per Group	32 Cells				
	Rated Voltage	+384Vdc, -384Vd				
	Alarm Voltage	Alarm when individual cell voltage <10.9V				
	Protection Voltage	Shutdown when cell voltage <10.5V				
	Charge Current	Maximum of single module ≥10A (each module)				
Intelligent Management	Record function: auto-float charging, charge and discharge					
System	Conversion Time	<2mS				
	Balancing	±5%				
	Noise	≤50dB (full load)				
	Display Mode	LCD+ Touch-screen+ LED				
	Efficiency	≥98%				
Thermal Protection	Where temperature exceeded 80°C, UPS protection enabled and alarm will sound. When temperature is normal, UPS will resume normal activities					
Communication RS232 or RS422, RS485	Remote measurement: Three phase input voltage, DC input voltage, Three phase output current, Output Frequency, Storage battery voltage, UPS/Bypass power supply, Battery discharge voltage low, AC mains fault, UPS fault, UPS auto-timing control, UPS periodic self monitoring, UPS management of periodic battery discharge					
Single Module Dimension	Length (564mm) x Width (586mm) x Height (92mm)					
Safety Requirement and EMC	GB7260.2					
Operating Environment Temperature	-20°C~+40°C					
Operating Environment Humidity	Relative humidity ≤93% (40°C±2°C, non-condensing)					
Storage Temperature	-25°C~+55°C (no battery)					
<b>Outline Dimensions</b>						
L x W x H (mm)	560 x 690 x 794	560 x 690 x 886	560 x 690 x 978	560 x 690 x 1070mm	560 x 690 x 1162	
Including Module Amount	1	2	3	4	5	
Weight (kg)	65	80	95	110	125	
Note	Product specifications are subject to change without notice					



General Specifications of PowerPlus UPS						
Model	P+60	P+70	P+80	P+90	P+100	
<b>Output Capacity</b>	<b>60KVA</b>	<b>70KVA</b>	<b>80KVA</b>	<b>90KVA</b>	<b>100KVA</b>	
<b>AC Input</b>	<b>Rated Voltage</b>	Three phase four line input (rated voltage 415Vac) or Single phase two line input (rated voltage 240Vac)				
	<b>Phase Missing</b>	Where one phase missing from input and other two remain normal, output is 50% of rated capacity; Where two phases missing from input and other one remains normal, output is 25% of rated capacity;				
	<b>Voltage Range</b>	Line voltage 277~468Vac or phase voltage 160~270Vac				
	<b>Frequency Range</b>	50Hz±5Hz				
	<b>Power Factor</b>	≥0.99				
	<b>Current Harmonic</b>	≤5%				
	<b>Bypass Input Range</b>	170Vac~270Vac				
<b>AC Output</b>	<b>Rated Power</b>	48KW	56KW	64KW	72KW	80KW
	<b>Single Module Rated Power</b>	10KVA(8KW)				
	<b>Rated Voltage</b>	Three phase four line input (rated voltage 415Vac) or Single phase two line input (rated voltage 240Vac)				
	<b>Rated Frequency</b>	50Hz±0.01Hz during unlocking condition or battery DC.				
	<b>Voltage Precision</b>	415 Vac±2% or 240Vac±2%				
	<b>Voltage Imbalance</b>	±3% (100% Unbalance Load)				
	<b>Voltage Phase Deviation</b>	≤3°				
	<b>DC Component</b>	±1V				
	<b>Frequency Tracing Range</b>	46~54Hz				
	<b>Frequency Tracing Rate</b>	≤1Hz/s				
	<b>Voltage Distortion</b>	≤2%(Linear load); 5% (Non-linear load)				
	<b>Peak Factor</b>	3:01				
	<b>Power Factor</b>	0.8				
	<b>Range Time of Pulse Response</b>	<20ms				
	<b>Recover Time of Pulse Response</b>	≤40ms				
	<b>Overload Capacity</b>	103~110% for 10 min, 110~120% for 1min, >120% for 200ms				
	<b>Short-circuit Characteristics</b>	Protection function: phase voltage short-circuit, line voltage short-circuit, single unit short-circuit, paralleling system short-circuit, when protection function operating, output automatically shut down.				
<b>Voltage Protection</b>	Exceed 240±V20%, output automatically shut down					
<b>Parameters</b>						
<b>Battery</b>	<b>Connection Mode</b>	Two battery banks				
	<b>Per Group</b>	32 Cells				
	<b>Rated Voltage</b>	+384Vdc, -384Vd				
	<b>Alarm Voltage</b>	Alarm when individual cell voltage <10.9V				
	<b>Protection Voltage</b>	Closed when cell voltage <10.5V				
	<b>Charge Current</b>	Maximum of single module ≥10A (each module)				
<b>System</b>	<b>Intelligent Management</b>	Record function: auto-float charging, charge and discharge				
	<b>Conversion Time</b>	<2mS				
	<b>Balancing</b>	±5%				
	<b>Noise</b>	≤50dB (full load)				
	<b>Display Mode</b>	LCD+ Touch-screen+ LED				
<b>Efficiency</b>	≥98%					
<b>Thermal Protection</b>	Where temperature exceeded 80°C, UPS protection enabled and alarm will sound. When temperature is recovered, UPS will resume normal activities					
<b>Communication RS232 or RS422, RS485</b>	Remote measurement: Three phase input voltage, DC input voltage, Three phase output current, Output Frequency, Storage battery voltage, UPS/Bypass power supply, Battery discharge voltage low, AC mains fault, UPS fault, UPS auto-timing control, UPS periodic self monitoring, UPS management of periodic battery discharge					
<b>Single Module Dimension</b>	Length (564mm) x Width (586mm) x Height (92mm)					
<b>Safety Requirement and EMC</b>	GB7260.2					
<b>Operating Environment Temperature</b>	-20°C~+40°C					
<b>Operating Environment Humidity</b>	Relative humidity ≤93% (40°C±2°C, non-condensing)					
<b>Storage Temperature</b>	-25°C~+55°C (no battery)					
<b>Outline Dimensions</b>						
<b>L x W x H (mm)</b>	560 x 690 x 1254mm	560 x 690 x 1346	560 x 690 x 1438	560 x 690 x 1530mm	560 x 690 s 1622	
<b>Including Module Amount</b>	6	7	8	9	10	
<b>Weight (kg)</b>	140	155	170	185	200	
<b>Note</b>	Product specifications are subject to change without notice					



### PowerChampion Series (10-300KVA) UPS

With three phase input, three phase output, the Magellan Power PowerChampion Series UPS features the most advanced DSP, IGBT and ASIC control technologies allowing for excellent load balancing capabilities. Featuring output isolation transformer, configurable 12 pulses rectification and DSP software, the PowerChampion Series UPS offers high quality power protection for your application.

Transient waveform control technology ensures minimal output distortion, high reliability, high anti-jamming and high fault tolerance, as well as providing outstanding protection against surges and lightning. The all-digital UPS also provides excellent overload capability, output short circuit protection, input overvoltage protection and spikes protection.

#### Product Features

All-digital, full function, touch-sensitive large-screen LCD

UPS work flow mimic on LCD

On-line double conversion design and DSP control ensures high performance and reliability

Flexible paralleling for different loads and systems allows stand-alone, 1+1 and N+X paralleling.

Intelligent ECO mode for higher efficiency (above 98%)

Output isolation transformer reduces harmonic current and disturbance of mains supply on loads.

Optional 12 pulse rectification

Input power factor correction(PFC)

EMI suppression

Run up to 8 units in parallel

Advanced intelligent battery management, optional cell monitoring module,

Advanced communication system

RS232, RS422 dry contact, internal Modem port, optional SNMP card & battery testing module



General Specification for PowerChampion UPS

Model	PW	PW	PW	PW	PW	PW	PW	
	10A 10B	15A 15B	20A 20B	30A 30B	40A 40B	60A 60B	80A 80B	
<b>Rated Power</b>	10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	
<b>Operation</b>	Online, static bypass switch (seamless transfer), double conversion technology, output isolated from input							
<b>AC Input</b>	<b>Phase</b>	3 wires +N+E						
	<b>Voltage</b>	415V±15%						
	<b>Frequency</b>	50Hz±10%						
	<b>Maximum Input Current (A)</b>	19	29	38	57	76	114	152
	<b>Input Power Factor</b>	0.95						
	<b>Soft Start</b>	0-100% 1sec						
<b>Bypass Input</b>	<b>Phase</b>	3 wires +N+E						
	<b>Voltage</b>	415V±10%						
	<b>Frequency</b>	50Hz±5%						
	<b>Transfer Time</b>	<2ms						
<b>DC System</b>	<b>DC Voltage</b>	384V (12V battery, 32 units)						
	<b>Floating Charge Voltage</b>	432V						
	<b>Cutoff Voltage</b>	336V						
	<b>Maximum Discharge Current</b>	25	38	51	76	101	152	203
	<b>Charge Current</b>	10-25A (configurable)						
<b>AC Output</b>	<b>Phase</b>	3 wires +N+G						
	<b>Voltage</b>	415V±1% (steady load)						
	<b>Frequency</b>	50Hz±5% (utility power); 50Hz±0.05% (battery backup)						
	<b>Power Factor</b>	0.8 (lagging)						
	<b>Output Waveform</b>	Sine wave						
	<b>Total Harmonic Distortion</b>	Linear load <3%; non-linear load <5%						
	<b>Voltage Transient (Step Load) Response</b>	± 5% for 100% step load change						
	<b>Voltage Recovery Time</b>	< 10ms (±5%)						
	<b>Imbalance</b>	<±3% (unbalanced load); <±1% (balanced load)						
	<b>Overload Capability</b>	125% 10 min; 150% 1 min; >150% 200ms						
<b>System</b>	<b>Operating Efficiency</b>	>91%; 95%, ECO mode						
	<b>Communication Interface</b>	RS 232 / RS 422						
	<b>Operating Temperature</b>	0-40°C (32°F - 104°F)						
	<b>Relative Humidity</b>	0 ~ 90% non-condensing						
	<b>Audible Noise</b>	50dB		55dB		63dB		65dB
<b>A model</b>	<b>Size DxWxH (mm)</b>	700x520x1100		770x580x1180		900x660x1470		1250x900x1600
	<b>Weight KG</b>	210	258	350	400	480	650	900
<b>B model</b>	<b>Dimensions DxWxH (mm)</b>	800x560x1400				850x950x1800		900x1200x1800
	<b>Weight KG</b>	210	258	350	400	480	650	900
<b>Notes</b>	A model with small-screen LCD, B model with touch sensitive large-screen LCD (120x90mm) Product specifications are subject to change without notice							



General Specification for PowerChampion UPS

Model	PW	PW	PW	PW	PW	PW	PW	
	100A 100B	120A 120B	140A 140B	160A 160B	200B	250B	300B	
<b>Rated Power</b>	100KVA	120KVA	140KVA	160KVA	200KVA	250KVA	300KVA	
<b>Operation</b>	Online, static bypass switch (seamless transfer), double conversion technology, output isolated from input							
<b>AC Input</b>	<b>Phase</b>	3 wires +N+E						
	<b>Voltage</b>	415V±15%						
	<b>Frequency</b>	50Hz±10%						
	<b>Maximum Input Current (A)</b>	189	227	265	303	379	473	568
	<b>Input Power Factor</b>	0.95						
	<b>Soft Start</b>	0-100% 1sec						
<b>Bypass Input</b>	<b>Phase</b>	3 wires +N+G						
	<b>Voltage</b>	415V±10%						
	<b>Frequency</b>	50Hz±5%						
	<b>Transfer Time</b>	<2ms						
<b>DC System</b>	<b>DC Voltage</b>	396V (12V battery, 33 units)						
	<b>Floating Charge Voltage</b>	446V						
	<b>Cutoff Voltage</b>	347V						
	<b>Maximum Discharge Current</b>	253	304	360	425	528	660	790
	<b>Charge Current</b>	10-25A (configurable)						
<b>AC Output</b>	<b>Phase</b>	3 wires +N+E						
	<b>Voltage</b>	415V±1% (steady load)						
	<b>Frequency</b>	50Hz±5% (utility power); 50Hz±0.05% (battery backup)						
	<b>Power Factor</b>	0.8 (lagging)						
	<b>Output Waveform</b>	Sine wave						
	<b>Total Harmonic Distortion</b>	Linear load <3%; non-linear load <5%						
	<b>Voltage Transient (Step Load) Response</b>	± 5% for 100% step load change						
	<b>Voltage Recovery Time</b>	< 10ms (±5%)						
	<b>Imbalance</b>	<±3% (unbalanced load); <±1% (balanced load)						
	<b>Overload Capability</b>	125% 10 min; 150% 1 min; >150% 200ms						
<b>System</b>	<b>Operating Efficiency</b>	>91%; 95%, ECO mode						
	<b>Communication Interface</b>	RS 232 / RS 422						
	<b>Operating Temperature</b>	0-40°C (32°F - 104°F)						
	<b>Relative Humidity</b>	0 ~ 90% non-condensing						
	<b>Audible Noise</b>	65dB	68dB					
<b>A model</b>	<b>Size DxWxH (mm)</b>	1250x900x1600						
	<b>Weight KG</b>	1100	1200	1250	1380	> 1380		
<b>B model</b>	<b>Dimensions DxWxH (mm)</b>	900x1200x1800		900x1300x1800		900x2000x1800	900x2400x1800	
	<b>Weight KG</b>	1200	1300	1350	1480	2000	2300	2950
<b>Notes</b>	A model with small-screen LCD, B model with touch sensitive large-screen LCD (120x90mm) Product specifications are subject to change without notice							

