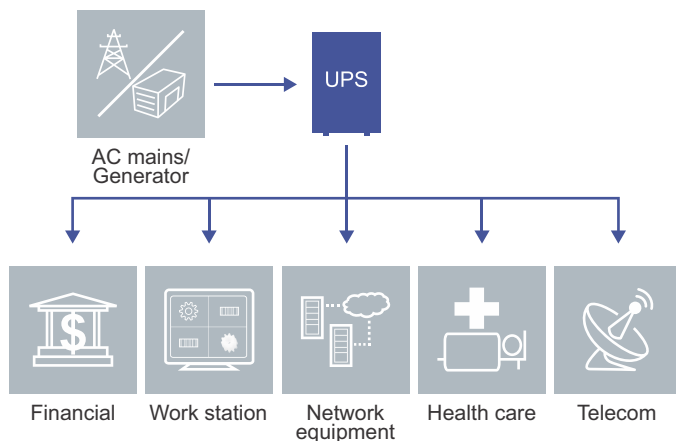


CSCT Tower Series UPS

1000VA, 2000VA, 3000VA



Typical application



Key features

- True On-Line, Double Conversion design with high adaptability to harsh mains conditions.
- Unity power factor.
- High efficiency results in energy saving.
- Adjustable charging current and flexible battery configuration.
- Optimized charging method to expand battery life time.
- Built-in OVCD protection, fan lock detection, over temperature detection, overload warning to enhance the product reliability.
- Automatic detect additional EBM quantity will simplify EBM installation for IT users.
- Low audible noise at typical load.
- LCD displays up to 10 languages for easy installation and service.
- Embedded Ethernet port solution provides safe network connection with SSL & SSH.
- Optional Wireless LAN module.
- Mobile application for monitoring, configuration and shutdown.
- USB HID enable monitoring on UPS without software installation.
- Dry relay contacts for relay communications.



sinewave output



LCD display



backup time



built-in batteries



HID

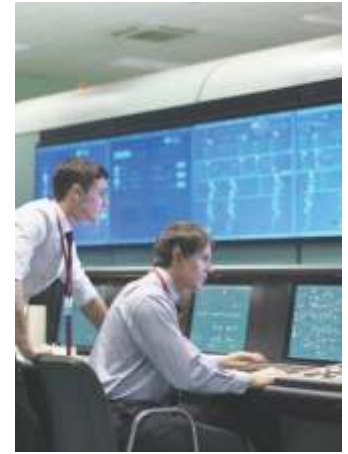


RELIABLE POWER SOLUTIONS FOR A NON-STOP WORLD

True On-Line, Double Conversion UPS

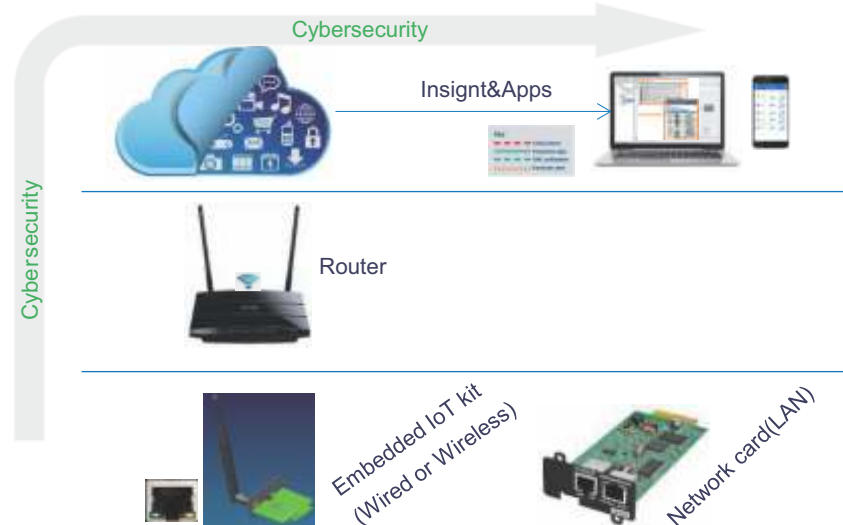
High density, true double conversion on-line power protection for IT (Information technology) and OT (operation technology) applications. Capable of supporting loads from 1kVA to 3kVA in a compact tower.

These latest range of UPS comes with future-proof connectivity design having the capability to connect to cloud seamlessly to allow the monitoring of the UPS online through any internet connected device. To ensure users information is safe and protected, these connectivity is compliant with IEC standard cybersecurity.



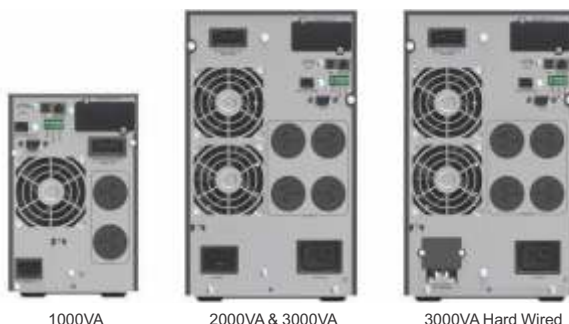
Network connected and data to cloud

- Easy to setup the Safe connection to Cloud
- Connect to Cloud through MQTT protocol (the most widely used IoT protocol)
- Real time health monitoring on the equipment to enable business continuity and failure prevention
- Remote monitoring, scheduled maintenance and UPS firmware upgrade *
- Improve the data visibility to the service people and end user
- Reduce the responsive time on product failure as Cloud push the exact information to end user and service people at the same time
- Create value added service opportunities based on digitalization transformation



* Will be launched soon

Product rear panel



Upsonic CSCT Tower Series UPS 1000VA to 3000VA rear panel



Upsonic CSCT Tower UPS Extended Battery Modules

Product specification

Model name		CSCT1000	CSCT1000LR
Power rating	VA/Watt	1000VA/1000W	
Efficiency	Double conversion mode	89%	
	ECO mode	96%	
Input performance	Voltage range	160-300V 100% load, 110-160V derating to 50% load linearly	
	Rated frequency	50Hz/60Hz	
	Frequency range	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60%)	
	PF	>0.99	
	THDI	<5%	
Input connection		IEC C14	
Output performance	Rated voltage	200/208/220/230/240 VAC	
	Rated frequency	50Hz/60Hz	
	Maximum PF	1	
	Voltage accuracy	±1%	
	THDv	<1% linear load <5% non linear load	
	Transfer time	0ms(4ms @ line <-> bypass;10ms @ ECO <->Inverter)	
	Crest Ratio	max 3:1	
	Overload	100%<load≤105% continuous. 105%< load ≤125% for 3 minutes 125<load≤150% for 30 seconds. >150% for 500ms.	
Output connection	Wiring/socket	2 x AU	
Battery	Voltage	36VDC	
	Capacity(AH)	3 x 12V/7Ah	NA
	Backup time Typical value by default battery capacity, PF=1	"3.0min 100% load 12.2min 50% load"	NA
Maximum connect external battery module quantity		4	
Charger	Charging current	1.5A	8A
	Recharging time	3h to 90%	NA
Other working mode	CVCF	Yes (derating to 60% load)	
	Parallel	no	

Product specification

Model name		CSCT1000	CSCT1000LR
HMI(human-machine interface)	Display	LCD	
	Language	10 Languages	
	USB	USB 2.0 with HID	
	RS232	Yes(DB9)	
	Dry in/out	1 programble dry in; 1 programble dry out	
	EPO	yes	
	Intelignet slot	yes(for long card)	
	Network card	Optional, NMC long card	
	Modbus card	Optional,CMC/Modbus Long Card	
	Dry contactor card	Optional,AS400 Long Card	
	WLAN module	Optional,HDMI type	
	Ethernet port for IOT	RJ45	
	Monitor software	Winpower	
	Physical performance	Dimension(WxDxH)MM	145x397x220
IP protection level		IP20	
Environment	Operating temperature	0-45°C(power derating to 80% @40-45°C)	
	Relative Humidity	0-95%	
	Operating Altitude	0~3000m(the load derating 1 % every up 100m @1000~3000m)	
	Acoustic Noise	<45dB @ typical load with battery fully charged	
Certification		CE,IEC/EN 62040	
EMI	Conduction/Radiation	C2	
EMS	ESD	IEC/EN 61000-4-2	
	RS	IEC/EN 61000-4-3	
	EFT	IEC/EN 61000-4-4	
	Surge	IEC/EN 61000-4-5	
Accessory	Maintenance bypass switch	NA	
	Input power cable	yes	
	Output power cable	yes,1 10A	
	EBM cable	yes(in EBM)	
	USB cable	yes	
	RS232 cable	Optional	
	Manual	Yes	

Product specification

Model name		CSCT2000	CSCT2000LR	CSCT3000	CSCT3000LR
Power rating	VA/Watt	2000VA/2000W		3000VA/3000W	
Efficiency	Double conversion mode	93%			
	ECO mode	97%			
Input performance	Voltage range	160-300V 100% load, 110-160V derating to 50% load linearly			
	Rated frequency	50Hz/60Hz			
	Frequency range	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60%)			
	PF	>0.99			
	THDI	<5%			
Input connection		IEC C20			Hard Wired Input
Output performance	Rated voltage	200/208/220/230/240 VAC(derating 10% at 208V, derating 20% at 200V)			
	Rated frequency	50Hz/60Hz			
	Maximum PF	1			
	Voltage accuracy	±1%			
	THDv	<1% linear load <5% non linear load			
	Transfer time	0ms(4ms @ line <-> bypass;10ms @ ECO <->Inverter)			
	Crest Ratio	max 3:1			
	Overload	100%<load≤105% continuous. 105%< load ≤125% for 3 minutes 125<load≤150% for 30 seconds. >150% for 500ms.			
Output connection	Wiring/socket	4 x AU		4 x AU + hardwired terminal	
Battery	Voltage	72VDC			
	Capacity(AH)	6 x 12V/7Ah	NA	6 x 12V/9Ah	NA
	Backup time Typical value by default battery capacity, PF=1	"3.3min 100% load 12.9min 50% load"	NA	"2.5min 100% load 9.3min 50% load"	NA
Maximum connected EBM		4			
Charger	Charging current	1.5A	8A	1.5A	8A
	Recharging time	3h to 90%	NA	3h to 90%	NA
Other working mode	CVCF	Yes (derating to 60% load)			
	Parallel	no			

Product specification

Model name		CSCT2000	CSCT2000LR	CSCT3000	CSCT3000LR
HMI(human-machine interface)	Display	LCD			
	Language	10 Languages			
	USB	USB 2.0 with HID			
	RS232	Yes(DB9)			
	Dry in/out	1 programble dry in; 1 programble dry out			
	EPO	yes			
	Intelignet slot	yes(for long card)			
	Network card	Optional, NMC long card			
	Modbus card	Optional,CMC/Modbus Long Card			
	Dry contactor card	Optional,AS400 Long Card			
	WLAN module	Optional,HDMI type			
	Ethernet port for IOT	RJ45			
	Monitor software	Winpower			
Physical performance	Dimension(WxDxH)MM	195x421x318			
	IP protection level	IP20			
Environment	Operating temperature	0-45°C(power derating to 80% @40-45°C)			
	Relative Humidity	0-95%			
	Operating Altitude	0~3000m(the load derating 1 % every up 100m @1000~3000m)			
	Acoustic Noise	<50dB @ typical load with battery fully charged			
Certification		CE,IEC/EN 62040			
EMI	Conduction/Radiation	C2			
EMS	ESD	IEC/EN 61000-4-2			
	RS	IEC/EN 61000-4-3			
	EFT	IEC/EN 61000-4-4			
	Surge	IEC/EN 61000-4-5			
Accessory	Maintenance bypass switch	NA			
	Input power cable	yes			No
	Output power cable	yes,1 x 10A			
	EBM cable	yes(in EBM)			
	USB cable	yes			
	RS232 cable	Optional			
	Manual	Yes			