

ONLINE UPS

Servers, Data-Centre Critical Network Devices,
Sensitive Electronic Equipment and Telecom Applications



C SERIES ONLINE UPS 1K-20KVA

FEATURES

Optional High Efficiency Mode

High efficiency mode is also known as ECO or Economy mode. Double Conversion on line UPS systems have limited conversion efficiency, and maximum operating efficiency of up to 90-92%. However, if the AC input status is good you can select to run the UPS in ECO mode and obtain a higher operating efficiency of up to 97%. Once the AC input becomes irregular the UPS will transfer back to normal working mode immediately.

Optional Free Run Mode (CVCF) Mode

If you have imported equipment from other countries and need different operating frequency that is not offered by your local electricity utility supplier you can select the CVCF mode for different output frequencies for the different loads.

Optional Remote Monitoring Panel

Most of the bigger systems are installed in IT rooms where they are usually far from the equipment loads. It is inconvenient to check the UPS status without a remote monitoring system. For this application we can offer an optional remote monitoring panel for up to 100 meters. With this function you have the ability to monitor the UPS status on the remote panel without installing any computer equipment or LAN connections.

LCD/LED Display With Customised Setting Information

The user-friendly LCD/LED display provides the UPS input and output information in real time. In addition, the users can select the best arrangement for the connected loads and set the UPS parameters by accessing the setting menu.

Extended Back-Up Time

Extended back-up run time models connect to external batteries to prolong backup time. The 8Amp super charger board shortens battery recharging time and keeps the UPS in ready status for the next power outage.

Power Management Software

The Winpower power management software provides real time monitoring and control via the LAN and provides the system administrator with the ability to manage the UPS. The multi-shutdown function organises and optimises the usage of battery energy and maximises the runtime of critical equipment.

N+X Parallel Redundancy

The parallel redundancy feature is available on all models from 1KVA up to 20KVA. Up to 4 units can be connected in parallel. The N+X parallel redundancy architecture achieves cost saving objectives when additional equipment is added to the system.

DSP Control

All the Pro Series UPS systems adopt the DSP technology. The DSP technology circuit design simplifies and reduces the possibility of component failure. The simpler design helps to enhance the product quality and overall performance.



LONG BACKUP



AVR



TELMODEM PORT



SOFTWARES



SURGE PROTECTION



DIGITAL DISPLAY



LIGHTNINGPROOF

C Series Online UPS Specification

MODEL		1K	1KS	2K	2KS	3K	3KS	6K	6KS	10K	10KS	3/1 10ks	3/1 15ks	3/1 20ks	
CAPACITY	VA/W	1000VA/700W		2000VA/1400W		3000VA/2100W		6000VA/4200W		10000VA/7000W		15KVA /10.5KW	20KVA /14KW		
INPUT	Voltage Range	160-300VAC@full load(110-300VAC@half load)										277-520VAC@full load			
	Frequency Range	46-54Hz/56-60Hz													
	Phase	Single phase with ground										Three Phase In/Single Phase Out			
	Current THD	<5%													
	Power Factor	≥0.99													
	Generator Input	Support													
OUTPUT	Voltage	208/220VAC/230VAC/240VAC													
	Voltage Regulation	±1%													
	Frequency Range	46-54Hz/56-64Hz													
	Frequency (Battery Mode)	50/60Hz/±0.5Hz													
	Current Crest Ratio	3:1													
	Harmonic Distortion	≤2%THD(Linear Load)													
		≤5%THD(Non-Linear Load)													
	Output Waveform	Pure Sinewave													
	Outlet	IECx4		IECx6		IECx4+Terminal		Hard Wiring with Terminal Block							
	Overload Capacity	LineMode	10min@105%~130%±5%												
Battery Mode		10s105%±5%													
EFFICIENCY	AC Mode	87%						90%							
	Battery Type	83%						90%							
	ECO Mode	97%													
BATTERY	Battery Type	12V/7AH		12V/7AH		12V/7AH		12V/7AH		12V/7AH		Depending On The Capacity Of External Batteries			
	Numbers of Batteries	3		8		8		16		16					
	Backup Time(Full Load)	>8min		>8min		>8min		>8min		>5min					
	Recharge Time(to 90%)	8Hours		8Hours		8Hours		8Hours		8Hours					
	Charging Current(MAX)	1.0A	4.0A/8.0A	1.0A	4.0A/8.0A	1.0A	4.0A/8.0A	1.0A	4.0A/8.0A	1.0A	4.0A/8.0A				4.0A/8.0A
	Rated Charging Voltage	41.0Vdc		109.2Vdc		109.2Vdc		273Vdc							
	Temperature Compension	Yes													
TRANSFER TIME	AC to DC	Zero													
	Inverter to Bypass	Zero With Optional STS						Zero							
OPTIONAL FEATURES	Economic Mode(ECO Mode)	Support													
	Free Run Mode(CVCF)	Support													
	PDU(Power Distribution Unit)	Support													
	Remote Panel	Wired Type, Up to 100M Length													
	Parallel Redundancy	Up to 4 units maximun (Option)													
INDICATOR	LED Version	Load Level/Battery Level/Battery Mode/AC Mode/Bypass Mode/Fault													
	LCD Version	Load /Battery/Input/Output/Operating Mode Information													
	Battery Mode	Sounding every 4 seconds													
	Low Battery	Sounding every second													
	Overload	Sounding twice every second													
	Fault	Continuously Sounding													
DIMENSION	Tower Case (D x W x H) mm	400x145x220		460x192x348		460x192x348		570x260x717							
WEIGHT	Tower Case (kgs)	14	7	31	13.5	31.5	14	55	16	66	18	26	35	35	
ENVIRON- MENT	Operating Environment	0~40℃													
	Relative Humidity	20-90%(NON-CONDENSING)													
	Noise Level	<55db@1 Meter											<60db@1 Meter		
INTERFACE	Smart RS-232	Software supports Windows Family.Linux Sun Solaris.IBM Aix,Compaq True64,SGIIRIX,FreeBSD.HP-UX,and MAC													
	USB (Optional)	Windows Family & MAC													
	Internal Slot (Optional)	SUMP/AS400 Relay Card/Rs485													
	EPO (Optional)	Support Emergency Shutdown													

* Product specifications are subject to change without further notice.