SANTAKUPS®

ONLINE UPS

Servers,Data-Center Critical network devices,
Sensitive electronic equipment,Telecom

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 has limited conversion efficiency,and the maximum operating efficiency is only up to 90-92% However,If the AC input status is always excellent.You can select the UPS running in ECO mode and acquire higher operating efficiency up to 97%.Once the AC input is abnormal the UPS will transfer back to normal working mode immediately.

Optional Free Run Mode(CVCF)Mode

If you have equipments imported from other countries and need the different operating frequency that cannot be offered from your local electricity utility you can select the CVCF mode for different output frequencies for the different loads,for example.you can get the 60Hz output with 50Hz input utility.

Optional Remote Monitoring Panel

Most of the bigger systems are installed in power rooms where are usually far away from the loads.It will be inconvenient to check the UPS status without a remote monitoring system. To satisfy the demand,we now offer an optional remote monitoring panel for ups to 100 meters,You can check the UPS status easily on this remote panel without installing any computer equipment or LAN connection.

LCD/LED Display With Customixed Setting Intormation

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

Extended Backup Time

Long backup time models are allowed to connect extemal batteries to get prolonged backup time.With the standard 4A or optional 8A super charger board,the battery recharging time is now able to be shortened and keep in ready status for the next power shortage.

Power Management Software

The winpower power management software can provide the real time monitoring and control via the LAN.The system administrator can manage UPS and PC by just one PC easily.The multi-shutdown can help to organize and optimize the usage of battery energy and maximize the runtime of the most critial equipments.

N+X Parallel Redundancy

The parallel redundancy feature is available on all castle Pro series models from 1KVA up to 20KVA. The maximum units for doing the parallel redundancy are up to 4 units.Comparing to the current 1+1 parallel redundancy technology in the market.our N+X parallel redundancy architecture can even achieve the goal of cost saving in (further equipments investment)with the equal backup rating.

DSP Control

All the castle Pro Series UPS adopt the DSP technology. The technology offers the circuit design is able to simplify to reduce the possibility of component failure rate. In the other hand, the simply design would help to enhance the product total quality also with accurate performance.

LONG BACKUP   AVR   TEL/MODEM 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 (Syn 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 Black						
	Overload Capacity — LineMode	10min@105%~130%±5%												
	Overload Capacity — 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	<4ms;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
ENVIRONMENT	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 (Option)	Windows Family & MAC												
	Internal Slot (Option)	SUMP/AS400 Relay Card/Rs485												
	EPO (Option)	Support Emergency Shutdown												

* Product specifications are subject to change without further notice.