

MODULAR ONLINE UPS 25-600KVA (380V/400V/415V)

The CANRM series modular UPS provides the most compact footprint of less than 2 m² with maximum capacity of 900kVA. With best reliability and high performance, it has been leading the domestic market for years.

CANRM series is considered to be the best power protection solution for large data centers, as well as for sensitive electronics.

- Modular design
 Up to 25/30 power modules in parallel online hotswappable N+X redundancy
- Independent charger Independent charger for each module and intelligently control the whole charging process, prolong the life time of the battery
- Battery cold start
 Independent charger for each module and intelligently
 control the whole charging process, prolong the life time of
 the battery
- Easy connection access
 Top and bottom cable entry connection are supported, more convenient for site installation
- Modular design with transformer Modular UPS up to 60kVA with in-built isolation transformer, meeting different requirement for customers
- High power density
 200kVA with footprints of about 0.5m², saving valuable data center space
- Integrated IGBT design Integrated IGBT in one module, less failure points with higher performance and reliability
- Friendly interface Touch LCD display with abundant information
- Independent air channel Cooling air runs in isolated channel, keeping PCB free of dust





Isolated Air Flow

The dedicated and redundant hot-swappable power modules take the most unique structure design. In this design, the PCB boards and heat-sinkers are in two completely different layers, which allows the UPS run in dusty environments, significantly improving its stability and environmental adaptability.

- Cooling air flows in the lower layer, keeping the upper PCB free of dust
- One air flow channel ensures fans redundancy, even one fan fails, power module can run normally



High Density , Modular, Scalable

- High power density, footprint for 300kVA is 0.66m², power density 409kW/m², saving valuable data center space
- Scalable from 30kVA to 900kVA, max 30 power modules in parallel





Three units in parallel

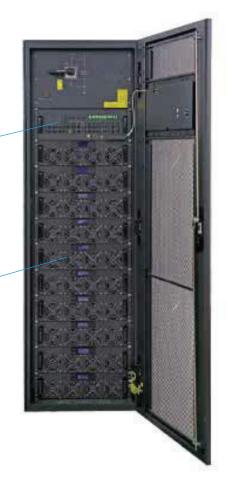
- Inherently N+X redundant
- Hot swappable power module and bypass & monitoring module
- Additional charging module, extra charging current 50A×N for long time back up application



Bypass & Monitoring module



Power module



Power Module Capacity Dual Input Phase Dual Input Phase Sa Phase+Neutral*-Ground, 380V/400V/415V (line-line) Input Voltage Range Rate Frequency Input Frequency Range Input PF Input THDi Rate Voltage Rate Volt	CAN 1150-25X
Dual input Phase 3 Phase+Neutral+Ground, 380V/400V/415V (line-line) Input Voltage Range Input Voltage Range Rate Frequency Input Frequency Range Input PF Input THDi Rate Voltage Rate Frequency So/60Hz Input PF Input THDi Rate Frequency Rate Frequency Rate Frequency Rate Frequency Rate Frequency Rate Voltage Rate Voltage Rate Voltage Rate Voltage Rate Voltage Rate Voltage Rate Frequency So/60Hz Rate Voltage Rate Frequency Solvooltz Rate Voltage Rate Frequency Rate Voltage Rate Frequency Rate Voltage Rate Vo	50kVA
Phase 3 Phase+Neutral+Ground, 380V/400V/415V (line-line) Input Voltage Range 304~478Vac (line-line), full load; 228V~304Vac (line-line), load decreases I according to the min phase voltage 50/60Hz Input Frequency 50/60Hz Input Frequency Range 40Hz~70Hz Input PF > 0.99 Input THDi	
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Input THD	
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Bypass Frequency Range Bypass Overload Bypass	
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Interface RS232, RS485, Programmable Dry Contact, USB Option SNMP Card, Parallel kit, SPD, LBS, Dust filter, Expansion dry contact car	
Option SNMP Card, Parallel kit, SPD, LBS, Dust filter, Expansion dry contact car	
System	ard
	rise
Noise (1 meter) 72dB@100 % load 65dB@100 % load 65dB@45 % 62dB@45 % load 65dB@45 % load	load
	D40-3
Cabinet 660 242 178 660 660 1	
Weight (kg)	
Physical Dimension Cabinet 2000* 600* 600* 2000* 600* 600* 1100* 1100* 1100* 1100* 1100*	1100*
W B H(Hill)	

RACK-MOUNTED MODULAR ONLINE UPS 25-200KVA (380V/400V/415V)

The CANRM Series Rack Mounted Modular UPS is scalable, hot-swappable, online double conversion. The power capacity is from 25 to 200kVA/kW, it's the ideal choice for modern data center.

With the latest IGBT three-level and full DSP control technology, the new CANRM series delivers the best combination of reliability and flexibility.







Features

- High Power Density
- 25kVA power module in 2U height, saving great amount of space, easy for capacity expansion
- Rack Modular Design

Module design, compatible with 19" standard rack cabinet, convenient to be integrated with servers

- Battery Cold Start
- UPS can be powered on from the battery without utility
- Friendly Interface

Touch LCD display with abundant information

MODEL			CANRM150-25C	CANRM200-25C					
System C	Capacity		150kVA	200kVA					
Power M	odule Capac	city	25kVA/2	25kW					
	Dual Input		Optional	Standard					
	Phase		3 Phase+Neutral+Ground, 3	80V/400V/415V(line-line)					
	Input Volta	ge Range							
Input	Rate Freque	ency	50/60	Hz					
	Input Frequ	ency Range	40Hz~7	'OHz					
	Input PF		>0.9	9					
	Input THDi		150kVA 25kVA/25kW Optional Standard 3 Phase+Neutral+Ground, 380V/400V/415V(line-line) 304~478Vac (line-line), full load; 228V~304Vac (line-line), load decreases linearly a cording to the min phase voltage 50/60Hz 40Hz~70Hz >0.99 <378 (100% Linear load) 380/400/415Vac (line-line) 50/60Hz Settable, -40%~+25% Settable, -40%~+25% Settable, ±1Hz, ±3Hz, ±5Hz 110% long term operation; 125% for 5 mins; 150% for 1 min; >150% for 1s 380/400/415Vac (line-line) ±1 (0~100% linear load) 50/60Hz 0.1% 1 <1%, Linear load; <6%, Non-linear load 3:1 110% for 1 hour; 125% for 10 mins; 150% for 1 min; >150% for 200 ms ±240Vdc 40pcs (Settable: even number from 32 to 44) ±1% up to 20% *Output active power Standard 96.0% 98.0% 98.0% 98.0% 98.0% 98.0% 97.0" color touch screen LCD + LED + keyboard IP 20 R\$232, R\$485, Programmable Dry Contact PDU for CANRM150/25C, SNMP Card, Parallel kit, SPD, LBS Operation: 0~40 "C Storge: -40~70 "C 0~95% Non-condensing <1000m. Within 1000m to 2000m, 1% power derating for every 100m rise 65dB @ 100% load, 62dB @ 45% load Safety: IEC/EN 62040~1 EMC: IEC/EN 62040~2 Performance: IEC/EN 62040~3						
	Rate Voltag	ge	380/400/415Vac (line-line)						
	Rate Freque	ency	50/60	Hz					
Bypass	Input Voltag	ge Range	Settable, -40	0%~+25%					
		uency Range	Settable, ±1Hz						
	Bypass Ove	rload	cording to the min phase voltage 50/60Hz 40Hz~70Hz >0.99 <3% (100% Linear load) 380/400/415Vac (line-line) 50/60Hz Settable, -40%~+25% Settable, ±1Hz, ±3Hz, ±5Hz 110% long term operation; 125% for 5 mins; 150% for 1 min; >150% for 1s 380/400/415Vac (line-line) ±1 (0~100% linear load) 50/60Hz 0.1% 1 <1%, Linear load; <6%, Non-linear load 3:1 110% for 1 hour; 125% for 10 mins; 150% for 1 min; >150% for 200 ms ±240Vdc 40pcs (Settable: even number from 32 to 44) ±1% up to 20% * Output active power Standard 96.0% 98.0% 95.5% 7.0" color touch screen LCD + LED + keyboard IP 20						
	Rate Voltag	ne	380/400/415Vac (line-line) ±1 (0~100% linear load) 50/60Hz						
	Voltage Re	*	±1 (0~100% linear load) 50/60Hz						
	Rate Freque		,	,					
	Frequency		· ·						
Output	Output PF		1	-					
	Output THD	U	<1% , Linear load; <69	%, Non-linear load					
	Crest Facto								
	Inverter Ove	erload	110% for 1 hour; 125% for 10 mins; 1	50% for 1 min; >150% for 200 ms					
	Voltage		±240Vdc						
	Battery Nun	nber	40pcs (Settable: even number from 32 to 44)						
Battery	Voltage Pre	ecision	±1%	,					
	Charge Pov	wer	up to 20% * Outpu	t active power					
	Battery Col	d Start	Stando	ard					
		AC Mode	96.09	%					
	Efficiency	ECO Mode	98.09	%					
		Battery Mode	95.50	%					
	Display		7.0" color touch screen L	.CD + LED + keyboard					
	IP Class		IP 20)					
	Interface		RS232, RS485, Program	mable Dry Contact					
System	Option		PDU for CANRM150/25C, SNMI	P Card, Parallel kit, SPD, LBS					
	Temperatur	е	Operation: 0~40 °C	Storge: -40~70 °C					
	Relative Hu	midity	0~95% Non-c	ondensing					
	Altitude Noise (1 meter)								
			65dB @ 100% load, (62dB @ 45% load					
	Applicable	Standards	Safety: IEC/EN 62040-1 EMC: IEC/EN 62	040-2 Performance: IEC/EN 62040-3					
		Cabinet	140	160					
	Weight (kg)	Power module	18						
Physical	Dimension	Cabinet	482*916*931						
	W*D*H(mm		436*67	7*85					

RACK-MOUNTED MODULAR ONLINE UPS 10-90KVA (380V/400V/415V)

The CANRM Series Rack Mounted Modular UPS is scalable, hot-swappable, online double conversion. The power capacity is from 25 to 200kVA/kW, it's the ideal choice for modern data center.

With the latest IGBT three-level and full DSP control technology, the new CANRM series delivers the best combination of reliability and flexibility.







Features

- Rack modular design
 Modular design, compatible with 19" standard rack cabinet, convenient to be integrated with servers
- High power density
 10/15kVA power module in 2U height, saving great amount of space, easy for capacity expansion
- Integrated solution for data center
 UPS can be integrated with battery cabinet, PDU and external maintenance bypass, offering excellent choice for data center
- Intelligent charging management
 The system intelligently control the whole process of the charging and discharging, effectively improving the life time of the battery

Flexible configuration

The system based on 10kVA power module can be configured to 3/3, 3/1 and 1/1 without derating

• Friendly interface

7" touch color LCD with graphic display, more information displayed and easier for customer to operate

• Smart sleep function

System can intelligently shutdown some power modules to increase total load rate, achieving higher efficiency

Self-aging mode

Energy internal circle technology, system can run with full load, saving more than 90% energy

MODEL			CAN RM060/10X	CAN RM040/10X	CAN RM030/10X	CAN RM020/10X	CAN RM090/15X	CAN RM045/15X	CAN RM030/152		
System C	apacity		60kVA	40kVA	30kVA	20kVA	90kVA	45kVA	30kVA		
Power Mo	odule Capac	ity		10kVA	/10kW			15kVA/15kW			
	Dual Input					Standard	//400V/415V(line-line) e), full load; y according to the min phase voltage z ar load) (line-line)+25% BHz, ±5Hz 110% long term operation; 130% for 5mins; 150% for 1 min; >150% for 300ms (line-line) or unbalance load Non-linear load % for 1 min; >150% for 200 ms				
	Phase		3 Phase+Neutral+Ground, 380V/400V/415V(line-line)								
Input Bypass Output System System	Input Voltag	ge Range	304~478Vac (line-line), full load; 228V~304Vac (line-line), load decreases linearly according to the min phase voltage								
Input	Rate Freque	ency				50/60Hz					
	Input Freque	ency Range				40Hz~70Hz					
	Input PF					>0.99					
	Input THDi				<4%	(100% Linear I	oad)				
	Rate Voltag	e			380/40	00/415Vac (lin	e-line)	### ### ##############################			
	Rate Freque				000, 10	50/60Hz		Hz 110% long term operation; 130% or 5mins; 150% for 1 min; >150% for 300ms ne) valance load min; >150% for 200 ms			
	·	e Range Settable, -40%~+25%									
Bypass		uency Range									
	Bypass Over						and 30V/400V/415V(line-line) line), full load; arly according to the min phase voltage that a contained in the m	ion: 1309			
	вуразз Оче	1044		ng term operd 0% for 1 min;				/15X RM045/15X /A 45kVA 15kVA/15kW 5V(line-line) d; ng to the min phase % long term operations; 150% for 1 min 300ms nace load r load			
	Rate Voltag	<u>е</u>			380/40	00/415Vac (lin	e-line)				
	Voltage Reg	gulation		1%				ad			
	Rate Freque					50/60Hz					
	Frequency F					0.1%					
Output	Output PF					1					
	Output THD	1			<1% Linear la	ad: <5.5% Na	on-linear load				
	Crest Factor				170, Eli local lo	3:1					
	Inverter Ove			110% for 1 ho	ur: 125% for 1		for 1 min: >150	0% for 200 ms			
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		110701011110	701, 120,01011			7/0 101 200 1113			
	Voltage				/0 11 11	±240Vdc	1 00 1				
		Battery Number		40	pcs (Settable		er from 32 to 4	ar load in; >150% for 200 ms 32 to 44)			
Battery	Voltage Pre					±1%		a RM045/15X 45kVA 15kVA/15kW ne-line) the min phase 150% for 1 min 300ms load d 50% for 200 ms 44) ce: IEC/EN 6204 55 485* 751*			
	Charge Pov				up to 20%		ive power				
	Battery Cold	a Start				Optional					
		AC Mode				95.0%					
	Efficiency	ECO Mode				98.0%	·				
		Battery Mode				94.5%					
	Display			7.0	" color touch	screen LCD +	LED + keyboo	ard			
	IP Class					IP 20					
System	Interface			F	S232, RS485,	Programmabl	e Dry Contac	t			
	Option		SNA	MP Card, Para	llel kit, SPD, Po	ower module	with battery c	cold start func	tion		
	Temperatur	Э			Operation: (0~40 °C Storg	e: -40~70 °C				
	Relative Hur	midity			0~95	% Non-conde	nsing				
	Altitude		<1	1000m. Within	1000m to 200	0m, 1% powe	r derating for	every 100m r	se		
	Noise (1 me	ter)			50	6dB @ 50% loc	ıd				
	Applicable	Standards	Saf	ety: IEC/EN 62	2040-1 EMC: IE	C/EN 62040-2	Performance	e: IEC/EN 62040-3			
		Cabinet	70	51	55	42	70	55	42		
	Weight (kg)	Power module		1.5	i.3	I		15	5.5		
Physical	Dimension W*D*H(mm)	Cabinet	485* 751* 1033	485* 697* 575	485* 751* 575	485* 697* 398	485* 751* 1033	751*	485* 697* 398		
		Power module		I		436*590*85			1		

MODULAR ONLINE UPS 20-200KVA (380V/400V/415V)

CANRM series is modular online UPS for sensitive equipments. The single cabinet power rating covers from 20kVA to 200kVA. With the latest IGBT three-level and full DSP control technology, the CANRM series delivers the best of combination of reliability, hot-swappable and flexibility.



Features

N+X redundancy

- Modular design
 Up to 20 power modules in parallel online hot-swappable
- Independent charger Independent charger for each module and intelligently control the whole charging process, prolong the life time of the battery
- Battery cold start
 UPS can be powered on from the battery without utility
- Easy connection access

 Top and bottom cable entry connection are supported,
 more convenient for site installation
- Modular design with transformer Modular UPS up to 60kVA with in-built isolation transformer, meeting different requirement for customers

- High power density
 200kVA with footprints of about 0.5m², saving valuable data center space
- Integrated IGBT design Integrated IGBT in one module, less failure points with higher performance and reliability
- Friendly interface
 Touch LCD display with abundant information
- Independent air channel
 Cooling air runs in isolated channel, keeping PCB free of dust

MODEL			CANRM200-20	CANRM120-20	CANRM060-20					
System C	Capacity		200kVA	120kVA	60kVA					
Power M	odule Capac	city		20kVA/18kW						
	Dual Input			Optional						
	Phase		3 Phase+Ne	eutral+Ground, 380V/400V/415	5V (line-line)					
	Input Volta	ge Range		oad; 228V~304Vac (line-line), ording to the min phase voltag						
Input	Rate Freque	ency		50/60Hz						
	Input Frequ	ency Range		40Hz~70Hz						
	Input PF			>0.99						
	Input THDi			<3% (100% Linear load)						
	Rate Voltag	ge		380/400/415Vac (line-line)						
	Rate Freque	ency		50/60Hz						
Bypass	Input Voltag	ge Range		Settable, -40%~+25%						
	Bypass Freq	uency Range		Settable, ±1Hz, ±3Hz, ±5Hz						
	Bypass Ove	rload	125% long term operat	ion; 130% for 1 hour; 150% for a	5 mins; 1000% for 100ms					
	Rate Voltag	ne	380/400/415Vac (line-line)							
	Voltage Re		1% for balance load; 1.5% for unbalance load							
	Rate Freque			50/60Hz						
	Frequency	Precision		0.1%						
Output	Output PF		0.9							
	Output THD	U	<1%,	Linear load; <5.5%, Non-linear	r load					
	Crest Factor			3:1						
	Inverter Ove	erload	110% for 1 hour; 12	25% for 10 mins; 150% for 1 min	; >150% for 200 ms					
	Voltage		±240Vdc							
	Battery Nun	nber								
Battery	Voltage Pre	ecision	±1%							
	Charge Pov	wer	UĮ	up to 20% * Output active power						
	Battery Col	d Start		Standard						
		AC Mode		95.0%						
	Efficiency	ECO Mode		99.0%						
	, i	Battery Mode		95.0%						
	Display	•	5.7" to	ouch screen LCD + LED + keyk	oard					
	IP Class			IP 20						
	Interface		RS232,	. RS485, Programmable Dry Co	ontact					
System	Option		SNMP	Card, Parallel kit, SPD, LBS, Du	st filter					
	Temperatur	e	Ор	eration: 0~40 °C Storge: -40~70) °C					
	Relative Hu	midity		0095% Non-condensing						
	Altitude		<1000m. Within 1000r	m to 2000m, 1% power deratin	ng for every 100m rise					
	Noise (1 me	eter)		55dB @ 50% load						
	Applicable	Standards	Safety: IEC/EN 62040-1	EMC: IEC/EN 62040-2 Perform	nance: IEC/EN 62040-3					
		Cabinet	180	150	105					
	Weight (kg)	Power module		22						
Physical	Dimension	Cabinet	600*900*2000	600*900*1600	600*900*1100					
	W*D*H(mm) Power module		440*590*134						

MODULAR ONLINE UPS 40-600KVA (380V/400V/415V)

The CANRM series modular, online UPS ranging from 40kVA to 600kVA is designed to protect any critical load for medium and large data center achieving maximum availability. The CANRM series features the latest technology of 3-level technology and PFC input control, which guarantees high efficiency of 96% and ultra-reliability. Its compact design ensures power density of 600kVA in one cabinet, 3 units can be paralleled for capacity or redundancy up to 1500kVA, making it an excellent choice for medium and large facilities.





Features

- Compact design 600kVA in one cabinet, footprint less than 1.45m², saving valuable room space
- High power density
 50kVA power module in 4U height, easy for capacity expansion
- High efficiency
 Advanced 3-level technology guarantees high efficiency operating in double conversion mode up to 96%
- Intelligent charging management
 The system intelligently control the whole process of the charging and discharging, effectively improve the life time of the battery

High scalability

The system can be configured from 40kVA to 600kVA in one single cabinet, 3 units in parallel for a capacity up to 1500kVA

- Friendly HMI
 10.4" touch color LCD with graphic display, independent LCD for each power module
- Smart sleep function

 System can intelligently shutdown some power modules to increase total load rate, achieving higher efficiency
- Multi communication interface
 Provide RS232, RS485, USB, SNMP, AS400 and programmable dry contacts

MODEL			CANRM 600-50X	CANRM 500-50X	CANRM 400-50X	CANRM 300-50X	CANRM 200-50X	CANRM 100-50X	CANRM 240-40X	CANRM 160-40X	CANRM 080-40X				
System C	apacity		600kVA	500kVA	400kVA	300kVA	200kVA	100kVA	240kVA	160kVA	80kVA				
Power Mo	odule Capaci	У			50kVA	/50kW			110% 125%, long times 125% for 5mins 150% for 1min 150%, for 1 minutes 150% for 1min 150%, for 1 minutes 150% for 200ms 150% for 2000ms 150% fo						
	Dual Input						Standard		240-40X 160-40X 080-40 0kVA 240kVA 160kVA 80kV/ 40kVA/40kW 10/415VAC (line-line) full load cording to the min phase voltage ad) 2-Line) 5% ±5Hz 110% long term 125% for 5mins 150% for 1 min 150%, for 1 m						
	Phase		3 Phases + Neutral + Ground, 380/400/415VAC (line-line)												
	Input Voltage	e Range	228V~	304~478Vac (Line-Line),full load 228V~304Vac (line-line),load decrease linearly according to the min phase voltage											
Input	Rate Frequer	псу					50/60Hz								
	Input Freque	ncy Range					40Hz~70H	Z							
	Input PF						>0.99		240-40X 160kVA 80k 240kVA 160kVA 80k 40kVA/40kW VAC (line-line) ad ang to the min phase voltage ang term 125% for 5mins 150% for 1 minutes 150%, for 1 minutes 150%, for 1 minutes 150% for 200ms ance load and Optinal of Mode: 96% 1 CD + LED+ Keyboard And Contact of LCD + LED+ Keyboard and of Contact of LCD + LED+ Keyboard						
	Input THDi					<3% (100% Linec	ır Load)	240kVA 160kVA 80k 40kVA/40kW AC (line-line) 110% long term 125% for 5mins 150% for 1min 125%, long tir 130%, for 10 minutes 150%, for 1 m 150%, for						
	Rate Voltage	;				380/400	/415VAC (Line-Line)							
	Rate Frequer	псу		50/60Hz											
	Input Voltage	e Range	Settable, -40%~+25%												
	Bypass Frequ	ency Range				Settabl	e, ±1Hz, ±3	BHz, ±5Hz							
Bypass	Bypass Overl	oad	110%~1	25% last fo	erm operat or more the or more the	an 5min	<130%, fo	ong time or 10 mins for 1 min	110% long term ns 125% for 1 5mins 150% for 1 1min		for 10 utes				
	Rate Voltage	<u> </u>				380/400	/415VAC (line-line)	240-40X 160-40X 80k 240kVA 160kVA 80k 40kVA/40kW (AC (line-line) d g to the min phase voltage 110% long term 125%, long tir 130%, for 11 minutes 150%, for 1 minutes 150%, for						
	Voltage Regi				1% for l		<u> </u>								
-	Rate Frequer				170 101 1	Jaian Conc	50/60Hz	or orrodiar	100 1000						
	Frequency Pr	· · · · · · · · · · · · · · · · · · ·					0.1%								
Output	Output PF						1								
Output THDu Crest Factor	-			,	<19	% linear loc	ad; <5.5% r	non-linear	load						
				3:1											
	Inverter Over	load		<110%	for 1 hour	125% for	10mins; 1 <i>5</i> 0	0% for 1mir	n; >150% for	200ms					
	Voltage						±240VDC								
	Battery Numb	per	40pcs (settable: even number from 32 to 44)												
Battery	Voltage Prec	ision					1%								
	Charge Powe	er				up to 20%	*Output a	ctive pow	110% 125%, long ti 130%, for 1 minutes 150%, for 1 minutes						
	Battery Cold	Start		Stan	dard		Opti	onal		inal					
	Efficiency				AC Mode	: 96% ECC) Mode: 99	% Battery	Mode: 96%						
	Display		10.4" (240-600kVA) or 7" (80-200kVA) touch screen LCD + LED+ Ke						- Keyboard	l					
	IP Class		IP20												
	Interface				RS232,	RS485, USB	, Program	mable dry	contact						
System	Option		SNMP, Parallel kit, SPD, Dust Filter, LBS												
	Temperature			,	Ор		~ 40 °C Sto		70 °C						
		ative Humidity					6 Non con								
	Altitude		<1						0m						
	Noise (1 meter) 72dB @ 100% load, 69dB @ 45% load														
	Applicable S	fandards		satety: IEC	/EN 62040	-1 EMC: IEC	C/EN 62040)-2 Pertorn	nance: IEC/	'EN 62040-	3				
		Cabinet	1040	900	700	490	350	210	190	350	210				
	Weight (kg)	Power	1040	700		5	330	210	470		210				
Physical	Dimension W*D*H(mm)	Cabinet	1300*11	00*2000	1050* 1000* 2000	650* 1095* 2000	650* 960* 1600	600* 980* 1150	1095*	650* 960*	600* 980* 1150				
		Power module					510*700*17	78							

MODULAR ONLINE UPS 60-600KVA (380V/400V/415V)

CANRM600-60D series are modular online UPS with brand-new topology, a bidirectional DC-DC converter circuit, which greatly improve the system performance and guarantees high efficiency of 97%. Its compact design ensures the power density, achieve this 600kW system occupies only an area of 0.9m2.

CANRM series is considered to be an excellent power supply solution for large data centers and facilities.



Features

High efficiency

Advanced 3-level technology guarantees, high efficiency operating in double conversion mode up to 97%

- Compact design
 600kVA in one cabinet, footprint less than 0.88m², saving great space of data center
- High power density
 60kVA power module in 2U height, easy for capacity expansion
- Intelligent charging management
 The system intelligently control the whole process of the charging and discharging, double side DC-DC topology, support charging power reaching 30%

High Density, Flexible, Artistic

Flexible capacity expansion and redundancy from 60kVA to 1.8MW, max 30 power modules 3 cabinets in parallel.

Three cabnets to select: 5/8/10 slots.

Ultra-large 10.1 inch color touch LCD display for IoT application and intelligent monitoring.





Friendly HMI

Ultra-large 10" color touch LCD display for IoT appliacation intuitive information and easier to operate modules to increase total load rate, achieving higher efficiency

- Multi communication interface
 Provide CAN, RS485, USB, SNMP, AS400 and programmable dry contacts
- High scalability

The system can be configured from 60kVA to 1.8MW, max 30 power modules 3 cabinets in parallel.

• Smart sleep function System can intelligently shutdown some power



MODEL			CANRM 600-60D					
System C	Capacity		600kVA					
Power M	odule Capaci	ty	60kVA/kW					
	Dual Input		Standard					
	Phase		3Phase+Neutral+Ground, 380/400/415VAC (line-line)					
	Input Voltage	e Range	50/60Hz					
Input	Rate Frequer	ncy	323~478Vac (line-line), full load 323V~138Vac (line-line), load decrease linearly from 100% to 40% according to the min phase voltage					
	Input Freque	ncy Range	40Hz~70Hz					
	Input PF		>0.99					
	Input THDi		<3% (100% Linear load)					
	Rate Voltage	•	380/400/415VAC (line-line)					
	Rate Frequer	ncy	50/60Hz					
Bypass	Input Voltage	e Range	Settable, default -20%~+15% Up limit: +10%, +15%, +20%, +25% Down limit: -10%, -15%, -20%, -30%, -40%					
	Bypass Frequ	ency Range	Settable, ±1Hz, ±3Hz, ±5Hz					
	Bypass Overl	oad	110% for long term operation; 110%~125% for 5 mins; 125%~150% for 1 min; 150%~400% for 1 s; >400% less than 200ms					
	Rate Voltage		380/400/415VAC (line-line)					
	Rate Voltage Rate Frequency		50/60Hz					
	Output PF		1					
	Output THDu		±1%					
Output	Crest Factor		<1% Linear load; <5%, Non-linear load					
	Inverter Over	load	<110%, 1hour; 110%~125%, 10mins; 125%~150%, 1min; >150%, 200ms					
	Rate Frequer	ncy	50/60Hz					
	Frequency Pi	recision	± 0.1%					
	Voltage		±180~288VDC 30~32pcs derate to 0.7; 34~36pcs derate to 0.8; 38pcs derate to 0.9; 40~48pcs					
Battery	Voltage Prec	cision	0.01					
	Charge Pow	er	Up to 30% * Output active power					
	,	AC Mode	>97%					
	Efficiency [Battery Mode	>96%					
	Display		LED+Color touch LCD					
	Interface		Standard: RS485, USB, CAN, Programmable Dry Contact					
	Option		SNMP card, AS400 card, Parallel kit, SPD, Dual input kit, LBS					
System	Temperature		Operation: 0~40 °C Storage: -40~70 °C					
	Relative Hum	nidity	0~95% Non-condensing					
	Altitude		75dB @ 100% load, 70dB @ 45% load					
	Noise (1 met	er)	<1000m. Within 1000m~2000m, 1% power derating for every 100m					
	Applicable S	tandards	Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3					
		Cabinet 800*1100*2000						
	Weight (kg)	Power module	550*750*85					
Physical	Dimension	Cabinet	443					
	W*D*H(mm)	Power module	35.7					

CANHT33 SERIES

TOWER ONLINE UPS 60-500KVA (380V/400V/415V)

CANHT33 series three phase UPS offers advanced technology that increase performance and reliability: three high speed DSPs with completed digital control fully ensure high quality of power supply, high input power factor and low input current distortion. It also offers humanization design: full front access of serviceability and user friendly interface.





Features

- High efficiency, up to 96%
- High input PF>0.99; Input current THDi<3%
- Multi-protection, over-temperature protection with 8 sensors,
- over-load, battery under voltage, fan failures, shortcircuit
- Battery cold start

- Battery management with smart charging control, greatly extend the battery life
- High power density
- Parallel up to 1500kVA
- Modular design of subsystem, convenient for field
- maintenance
- Friendly operation interface, color touch LCD screen

MODEL			CANHT 33060X	CANHT 33080X	CANHT 33090X	CANHT 33100X	CANHT 33120X	CANHT 33150X	CANHT 33200X	CANHT 33250X	CANHT 33300X	CANHT 33400X	CANHT 33500X	
System C	Capacity		60 kVA	80 kVA	90 kVA	100 kVA	120 kVA	150 kVA	200 kVA	250 300 400 55 kVA				
	Dual Input					Standard								
	Phase			,	3 Phas	e+Neut	ral+Grou	und, 380'	V/400V/	415V (lin	ie-line)			
	Input Voltage	e Range	304~478Vac (line-line), full load; 228V~304Vac (line-line), load decreases linearly according to the min phase voltage										oltage	
Input	Rate Frequer	ncy					50/6	60Hz 50/	60Hz					
	Input Freque	ncy Range					4	0Hz~70H	lz					
	Input PF							>0.99						
	Input THDi						<3% (10	00% Line	ar load)					
	Rate Voltage					3	880/400/	415Vac	(line-line	250 300 400 50 100 1				
	Rate Frequer							50/60Hz	•	·	150% for 1 min >150% for 1s ance load ar load n; >150% for 200 ms 32 to 44)			
	Input Voltage	e Range					Settak	ole, -40%	~+25%	110% long term operation 125% for 5 mins 150% for 1 min >150% for 1s ance load				
Bypass	Bypass Frequ	ency Range				(Settable	, ±1Hz, ±	3Hz, ±5H	250 300 400 5 kVA				
	Bypass Overl	oad		125% long term operation 130% for 10 mins 150% for 1 min >150% for 300ms						kVA	ation			
	Rate Voltage					3	880/400/	415Vac	(line-line	;)				
	Voltage Reg				1%	for balo	ınce loa	d; 1.5% 1	or unba	250 300 400 50 kVA				
	Rate Frequer			50/						250 300 400 50 kVA k				
	Frequency Pr	recision						0.1%			250 300 400 8 100 10			
Output	Output PF							1						
	Output THDu					<1% , Lir	ear load	d; <5.5%	Non-lin	ear load				
	Crest Factor							3:1						
	Inverter Over	load		1109	of for 1 ho	our; 125%	6 for 10 r	mins; 150	% for 1 r	min; >150		00 ms		
	Voltage							±240Vdc	:					
	Battery Numb	oer			40	pcs (Set	table: e	ven nun	nber fror	n 32 to 4				
Battery	Voltage Prec	cision	40pcs (Settable: even number fron ±1%					110% long term operation 125% for 5 mins 150% for 1 min >150% for 1s e) clance load min; >150% for 200 ms m 32 to 44) cower Standard 96% 96% creen LCD + LED + keyboard Contact, USB						
	Charge Pow	er				up t	o 20% * (Output c	ctive po	250				
	Battery Cold	Start			(Optiona	l				dard			
		AC Mode	95%	96%	95%	96%	95%			1 min; >150% for 200 ms rom 32 to 44) power Standard 96%				
	Efficiency	ECO Mode						99%						
		Battery Mode	95%	96%	95%	96%	95%			96	5%			
	Display		10.4	"(240kV	A-500kV	A) or 7''	(60kVA-	200kVA)	touch so	creen LC	CD + LED	+ keybo	oard	
	IP Class							IP 20						
System	Interface				RS2	232, RS48	35, Progr	ammab	le Dry C	ontact,	USB			
	Option				S	NMP Co	ard, Parc	allel kit, S	PD, LBS,	Dust filte	er			
	Temperature					Opero	ation: 0~	40 °C Sto	rge: -40	~70 °C				
	Relative Hum	nidity					0~95%1	Non-con	densing					
	Altitude			<1000n	n. Within						every 10	ery 100m rise		
	Noise (1 met							oad, 62			for every 100m rise			
	Applicable S	tandards	,	Safety: II	EC/EN 62	2040-1 E/	MC: IEC	'EN 6204	0-2 Perfo	ormance	e: IEC/EN	1 62040-3	3	
	Weight (kg)		170	210	231	210	266	305	350	445	490	700	900	
Physical	Dimension W	*D*H(mm)	600* 980* 950	600* 980* 1150	600* 980* 1400	600* 980* 1150	600* 980* 1400	650* 960* *1600	650* 960* *1600	970*	970*	1000*	1300* 1100* 2000	

CANHT33 SERIES

TOWER ONLINE UPS 10-40KVA (380V/400V/415V)

CANHT33 series UPS applies advanced technology that increases performance and reliability: two high speed DSPs with completed digital control to ensure high quality of power supply, high input power factor and low input current distortion.







Features

- High efficiency, up to 96%
- High input PF>0.99; Input current THDi<4%
- Multi-protection, over-temperature protection with 8 sensors,
- over-load, battery under voltage, fan failures, shortcircuit
- Four circuit breakers, providing full protection when fault
- happens

- Battery cold start
- Battery management with smart charging control, greatly extend the battery life
- Parallel up to 8 units
- Friendly operation interface, high-resolution LCD screen

MODEL -			CAN HT33010XS	CAN HT33015XS	CAN HT33020XS	CAN HT33030XS	CAN HT33040XS				
MODEL			CAN HT33010XL	CAN HT33015XL	CAN HT33020XL	CAN HT33030XL	CAN HT33040XL				
System C	apacity		10kVA	15kVA	20kVA	30kVA	40kVA				
	Dual Input				Standard						
	Phase			3 Phase+Neutral	Ground, 380V/400	V/415V (line-line)					
	Input Volta	ge Range	228V~304Vac		78Vac (line-line), fu creases linearly ac		phase voltage				
Input	Rate Frequ	ency	50/60Hz								
	Input Frequ	ency Range			40Hz~70Hz						
	Input PF				>0.99						
	Input THDi		<4% (100%	Linear load)	<3	% (100% Linear loc	ıd)				
	Rate Voltag	ge		380	/400/415Vac (line-l	line)					
	Rate Freque				50/60Hz						
Bypass	Input Volta				ettable, -40%~+259						
/		quency Range									
	Bypass Ove		Settable, ±1Hz, ±3Hz, ±5Hz 125% long term operation; 130% for 10 mins; 150% for 1 min								
			125% long term operation; 130% for 10 mins; 150% for 1 min 380/400/415Vac (line-line)								
	Rate Voltage				e load; 1.5% for un						
	Voltage Re	_		1% 101 Dalaric	<u> </u>	balance load					
	Rate Freque				50/60Hz						
Output	Frequency Precision Output PF			1	0.1%	0.0					
Output PF Output THDu				107 Lines	- la a al. < E F07 Nam	0.9					
	•			<1%, Linea	r load; <5.5%, Non-	-iinear ioaa					
	Crest Facto		1100	for 1 hours 1000 fo	3:1	1 mains > 15007 for 0	00				
	Inverter Ov	enoda	110% for 1 hour; 125% for 10 mins; 150% for 1 min; >150% for 200 ms								
	Voltage				±240Vdc						
	Battery Nur			40pcs (Settal	ole: even number f	rom 32 to 44)					
Battery	Voltage Pre				±1%						
	Charge Power			up to 2	0% * Output active	power					
	Battery Col	d Start			Optional						
		AC Mode		95	.0%		96.0%				
	Efficiency	ECO Mode			98.0%						
		Battery Mode		95	.0%		96.0%				
	Display			LC	CD + LED + keyboa	rd					
	IP Class				IP 20						
System	Interface				RS232, RS485						
7,313111	Option		SNMP Card, Parallel kit, USB, Programmable Dry Contact								
	Temperatu	re	Operation: 0~40 °C Storge: -40~70 °C								
	Relative Hu	midity	0~95% Non-condensing								
	Altitude		<1000m	n. Within 1000m to 2	2000m, 1% power d	lerating for every 1	00m rise				
	Noise (1 meter)				55dB @ 50% load						
	Applicable	Standards	Safety: IE	C/EN 62040-1 EMC	: IEC/EN 62040-2 P	erformance: IEC/E	N 62040-3				
	NA/-: 1 1 //		51.5	51.5	89	89	140				
	Weight (kg)		31	31	50	52	61				
Physical	Dimension	M/*D*11/mc \	250*840*715	250*840*715	350*738*1335	350*738*1335	500*840*1400				
	irriension	W*D*H(mm)	250*660*530	250*660*530	250*680*770	250*680*770	250*836*770				

CANHR33 SERIES

RACK ONLINE UPS 10-40KVA (380V/400V/415V)

The CANHR33 Series Rack is double conversion online UPS with fully DSP controlled technology. With its flexible configuration of 3/3 and 3/1, compact design, it's the ideal choice for modern data center.





Features

Rack Design

Rack design, compatible with 19" standard rack cabinet, convenient to be integrated with servers

- Friendly Interface
- 5.5" touch color LCD with graphic display, more information displayed and easier for customer to operate
- Flexible configuration

The system of 10kVA and 20kVA can be configured to 3/3 and 3/1

Intelligent charging management

The system intelligently control the whole process of the charging and discharging, effectively improving the life time of the battery

MODEL			CAN HR33010CL	CAN HR33015CL	CAN HR33020CL	CAN HR33025CL	CAN HR33030CL	CAN HR33040CL			
System C	Capacity		10kVA/10kW	15kVA/15kW	20kVA/20kW	25kVA/25kW	30kVA/30kW	40kVA/40kW			
	Dual Input				Stan	dard					
	Phase			3 Phase+Ne	eutral+Ground,	380V/400V/41	5V(line-line)				
	Input Volta	ige Range	228V~304Va					hase voltage			
Input	Rate Frequ	ency	50/60Hz								
	Input Frequ	Jency Range			40Hz	~70Hz					
	Input PF				>0	.99					
	Input THDi		<4% (100% I	Linear load)		<3% (100%)	Linear load)				
	Rate Volta	ge			<3% (100%)	Linear load)					
	Rate Frequ	ency			50/6	60Hz					
Bypass	Input Volta	ige Range			Settable, -	40%~+25%					
	Bypass Fred	quency Range			Settable, ±11	Iz, ±3Hz, ±5Hz					
	Bypass Ove	erload	125%	ong term oper	ation; 130% for	10 mins; 150% f	or 1 min, >1509	% for 1s			
	Rate Volta	ge			380/400/415\	/ac (line-line)					
	Voltage Re	gulation		1% for b	alance load; 1	.5% for unbalar	nce load				
	Rate Frequ	ency			50/6	60Hz					
	Rate Voltage Voltage Regulati Rate Frequency Frequency Precis Output Output PF Output THDu Crest Factor Inverter Overload Voltage	Precision	0.1%								
Output						1					
	Output THE	Dυ			<1.5%	%, Linear load; <	<6%, Non-linea	r load			
	Crest Facto	1 <1%, Linear load; <1.5%, Linear load; <5.5%, Non-linear load 3:1									
	Inverter Ov	rerload	110	% for 1 hour; 12	25% for 10 mins;	150% for 1 min	n; >150% for 200) ms			
	Voltage				±240)Vdc					
	Battery Nur	mber		40pcs (Settable: even	/ac (line-line) .5% for unbalance load .60Hz .1% .1 .5, Linear load; <6%, Non-linear load .1 .150% for 1 min; >150% for 200 ms .0Vdc .0umber from 32 to 44) .9% .0ut active power .0dard .5% .96% .8% .95.5%					
Battery	Voltage Pre	ecision			±1	%					
	Charge Po	wer	up to 20% * Output active power								
	Battery Co	ld Start			Stan	indard d, 380V/400V/415V(line-line) ine-line), full load; linearly according to the min phase volte /60Hz z~70Hz -0.99					
		AC Mode	95	5%	95.	5%	9	6%			
	Efficiency	ECO Mode			98	3%					
		Battery Mode	94.	.5%	95	5%	95	.5%			
	Display				LCD + LED	+ keyboard					
	IP Class				IP	20					
System	Interface		RS232 f	or 10-25kVA, U	SB for 30-40kVA	, RS485, Progra	ammable Dry C	Contact			
3 y 31 C 1 1 1	Option			LBS for HR3302	OCL and HR330)25CL, SNMP C	ard, Parallel kit				
	Temperatu	re	Operation: 0~40 °C Storge: -40~70 °C								
	Relative Hu	Relative Humidity		0~95% Non-condensing							
	Altitude		<1000m. Within 1000m to 2000m, 1% power derating for every 100m rise								
	Noise (1 me										
	Applicable	Standards	Safety:	IEC/EN 62040-1	EMC: IEC/EN	32040-2 Perforn	nance: IEC/EN	62040-3			
Physical	Weight (kg)	2	5	3	0		1 1			
Triysical	Dimension	W*D*H(mm)	438*78	30*130	438*78	30*130	438*7	00*174			

CANHT31 SERIES

TOWER ONLINE UPS 10-40KVA (220V/230V/240V)

CANHT31 series is online double-conversion UPS with full DSP control technology. With high input and output power factor, selfadjusting output frequency and network management, CANHT31 is a perfect choice for computers, telecommunication equipments and other sensitive devices.





Features

Common features for 10-40kVA

- Full protection of overvoltage, circuit short and over temperature
- Auto fan speed adjustment
- Abundant interface: RS232, USB, SNMP, Intelligent Card
- Parallel up to 4 units

Unique features for 10-20kVA

- Output PF=1
- Small size with higher power density
- Digital Charger, adjustable from 1A to 5A
- 12A charger for option, charging for large capacity batteries

MODEL	CANHT3110-XL	CANHT3115-XL	CANHT3120-XL	CANHT3140-L	
Capacity	10kVA	15kVA	20kVA	40kVA	
Phase		Three	phase in, Single phase o	out	
		190Vac~499V	ac	228Vac~478Vac	
Input voltage range		d@ >305Vac, 90% l@ >228Vac, 50%	100% load@ >305Vac 90% load@ >266Vac 75% load@ >228Vac		
Input PF			≥0.99		
Input THDi		≤4% (100% Linear	load)	≤3% (100% Linear load)	
Input frequency range			40Hz-70Hz		
Output PF		1		0.9	
Output voltage			220V/230V/240V		
Voltage regulation			1%		
THDu		≤1% (full linear lo ≤3% (full non-linear		≤1% (full linear load) ≤5% (full non-linear load)	
Battery voltage		192Vdc		±240Vdc	
Battery type/number			External		
System efficiency	Normal: 94.5%;		Normal: 95	%	
			ECO :98%;		
Noise(1 meter away)	<50dB	@<70%load; <58dl	3@>70%load	65dB @ 100%load 62dB @ 45%load	
Overload capability (Inverter mode)			: for 10 min ;130%:for 1 m c (shut down the bypass		
Overload capability (Battery mode)		after 1 min; 130%; 30%: shut down aft	shut down after 10 sec; er 200 ms	110%: shut down after 10 min; 125%:shut down after 10 sec; >125%: shut down after 1 sec	
Crest factor			3:1		
Display		LED+LCD		10.4" color touch screen LC- D+LED	
Interface	Optiona	Standard:RS232, I: RS485, USB, SNMI		Standard: RS232, RS485 USB, Dry contacts Optional: SNMP, parallel kit Battery cold start	
W*D*H(mm)	190*485*336	190*485*480	190*485*480	600*980*950	
Weight(kg)	22	33	33	170	

CANHT11 SERIES

TOWER ONLINE UPS 6-20KVA (220V/230V/240V)

CANHT11 series, ranging from 6kVA to 20kVA, is double conversion online UPS with fully DSP controlled technology. The single phase UPS applies the advanced 3-level technology, achieving a efficiency up to 95%. With its compact design of high power density (kW=kVA), HT11 series makes it ideal choice for computers, telecommunication equipment and other sensitive devices.







Features

- High efficiency, up to 95%
- kVA=kW, Output PF=1
- 3 level of technology, compatible with complicated load
- Battery number can be set on LCD

- Intelligent charging management, effectively improving the life time of battery
- Smaller size with higher power density
- Parallel up to 4 units
- 12A charger for option, charging for large capacity batteries

MODEL	CANHT1106XS	CANHT1106XL	CANHT1110XS	CANHT1110XL	CANHT1115XL	CANHT1120XL		
Capacity	6kVA/6kW	6kVA/6kW	10kVA/10kW	10kVA/10kW	15kVA/15kW	20kVA/20kW		
Phase			Single phase in,	Single phase out				
			110Vac	~288Vac				
Input voltage range				c; 90% load@>160 60% load@>110\				
Input PF		≤4%@	2100% load; ≤6%@	950% load (linear	load)			
Input THDi	≥0.99							
Input frequency range	40Hz-70Hz							
Output PF	1							
Output voltage	220V/230V/240V							
Voltage regulation	±1%							
THDu	≤2%(linear); ≤5% (non-linear) ≤1%(linear); ≤3% (non-linear)							
Battery voltage			192	Vdc				
Battery type/number	12V, 7Ah*16	External	12V, 9Ah*16		External			
System efficiency			Normal m	node: 95%				
Noise(1 meter away)			:70%load; >70%load			<70%load; >70%load		
Overload capability (Inverter mode)				n;125%: for 1 min; or 30 sec	I			
Overload capability (Battery mode)		110%: shut c		130%:shut down wn after 200 ms	after 10 sec;			
Crest factor			3	:1				
Display			LED+	-LCD				
Interface		Optional:		rd:RS232 5, Dry Contacts, F	Parallel Kit			
W*D*H(mm)	190*426*705	190*426*336	190*485*705	190*485*336		85*480		
Package Weight (kg)	56	14	60	16	3	33		

CANHT11 SERIES

TOWER ONLINE UPS 1-3KVA (220V/230V/240V)

CANHT11 series is online double-conversion UPS with full DSP control technology. With high input and output power factor, selfadjusting output frequency and network management, CANHT11 is a perfect choice for computers, telecommunication equipments and other sensitive devices.



Features

- Wide range of input voltage while input PF>97%
- Output PF of 0.9, more powerful load capability
- Full protection of overvoltage, circuit short and over temperature
- LCD/LED display, monitoring all the operation status
- Auto fan speed adjustment
- Reliable and stable pure sine wave output

MODEL	1	CANHT1101S	CANHT1101L	CANHT1102S	CANHT1102L	CANHT1103S	CANHT1103L				
MODEL	Ш	CANHT1101S-II	CANHT1101L-II	CANHT1102S-II	CANHT1102L-II	CANHT1103S-II	CANHT1103L-II				
Capacity		1k'	VA	2k	VA	3k	VA				
Phase				Single Phase in,	Single Phase out						
				110Vac	-288Vac						
Input voltage					; 80% load@>154V 50% load@>110V						
Input PF				≥0	.97						
Input frequency				40Hz-	~70Hz						
Outrout DE	Ι		0.9								
Output PF	Ш			0	.8						
Output voltage				220V/23	0V/240V						
Voltage regulation)			± 1 %							
THDu				≤2%(inear)						
Crest factor		≤5.5%(nc	n-linear)	≤5%(no	n-linear)	≤5%(no	n-linear)				
Efficiency				3	:1	1					
		87.	0%	91.	0%	90.	.0%				
Noise		<43dB@< <47dB@>		<45dB@< <50dB@>	<45dB@< <50dB@>	70%Load, 70%Load					
Occasila and a sus adail	4	Inverter	105%~130%: to bypass after 1 min; 150%: to bypass after 30 sec								
Overload capabili	ТУ	Battery	105%~130%: shut down after 10 sec; 150%: shut down after 5 sec								
Doubles	_	36\	'dc	72\	/dc	96Vdc					
Battery voltage	II	24\	'dc	48\	/dc	72\	/dc				
Battery type/	I	12V, 7Ah*3	External	12V, 7Ah*6	External	12V, 7Ah*8	External				
number	П	12V, 7Ah*2	External	12V, 7Ah*4	External	12V, 7Ah*6	External				
Max charging cur	ent	1A	8A	1A	8A	1A	8A				
Interface				RS232	2, EPO						
Optional				USB(B Type), SN	MP, Dry contact						
\A/*\D*! /\	I	144*35	53*222	190*3	75*336	190*427*336					
W*D*H(mm)	II	144*35	53*222	190*3	74*336	190*374*336					
) A/ = : = : = ! / !	I	10.5	5	21	8.5	24.5	9.5				
Weight(kg)	II	10	6	17	11	22	12				

CANHR11 SERIES

RACK ONLINE UPS 1-10KVA (220V/230V/240V)

CANHR11 series, ranging from 1kVA to 10kVA, is double conversion online rack UPS with fully DSP controlled technology. The single phase of 6-10kVA UPS applies the advanced 3-level technology, achieving a efficiency up to 95%. With its compact design of high power density (kW=kVA) in 2U height, CANHR11 series makes it ideal choice for computers, telecommunication equipment and other sensitive devices.





Features

Common features for 1-10kVA

- Wide range of input voltage while input PF>99%
- 19" standard cabinet and battery cabinet
- Full protection of overvoltage, circuit short and over temperature
- LCD/LED display, monitoring all the operation status
- Automatic fan speed adjustment
- Abundant interface: RS232, USB, SNMP, Intelligent Card

Unique features for 6-10kVA

- High efficiency, up to 95%
- kVA=kW, output PF=1
- Intelligent charging management, effectively improving the ife time of battery
- 3 level of technology, compatible with complicated load

MODEL	CANHR1101S	CANHR1102S	CANHR1103S	CANHR1106XS	CANHR1110XS
	CANHR1101L	CANHR1102L	CANHR1103L	CANHR1106XL	CANHR1110XL
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA
Input voltage range	110Vac-288Vac				
	100% load@>176Vac; 80% load@>154Vac 70% load@>132Vac; 50% load@>110Vac			100% load@>176Vac; 90% load@>160Vac 80% load@>140Vac; 60% load@>110Vac	
Input frequency	40-70Hz				
Input PF	≥0.97			≥0.99	
Voltage regulation	±1 %				
Output frequency	50/60Hz				
Output PF	0.9			1.0	
Overload capability (Inverter mode)	105%-130%: to bypass 1 min; 150%: to bypass after 30 sec			110%:for 10 min;125%:for 1min ; 150%: for 30 sec	
Overload capability (Battery mode)	105%-130%: shutdown after 10 sec; 150%: shutdown after 5 sec			110%: shut down after 1 min; 130%: shut down after 10 sec; >130%: shut down after 200 ms	
Crest factor	3:1				
Efficiency	87%	91%	90%	95%	
Display	LED+LCD				
Battery voltage	36Vdc	72Vdc	96Vdc	192Vdc	
Battery type/number	12V,7Ah*3	12V,7Ah*6	12V,7Ah*8	12V,7Ah*16	12V,9Ah*16
	External				
Interface	RS232, EPO				
Optional	USB, SNMP, Dry contacts			USB, SNMP, ECO kit, Dry contacts, Battery cabinet	
Operation temperature	0-40 °C				
Relative humidity	0-95% (non-condensing)				
W*D*H(mm)	440*430*86	440*480*173	440*480*173	440*660*173	
	440*430*86	440*480*86	440*480*86	440*550*86	
Weight(kg)	11.5	25	31	59	67
	7	8	9.5	17.5	20.5