## UC Series 10~20kVA 3:1phase PF:0.9



## **Features**

- · True double-conversion
- · DSP technology guarantees high reliability
- · N+X parallel redundancy
- · Compatible with 3 phases and single phase input
- · Selectable quantity of battery for each group:16/18/20 pieces
- · 3-stage charging design optimizes battery performance
- · ECO mode operation for energy saving
- · Self-diagnosis at startup
- · Emergency power off function(EPO)
- · Maintenance bypass is convenient for maintenance
- · Generator compatible
- · Communications:RS-232,USB,Parallel card(Optional),SNMP card(Optional), Relay card (Optional) Cold start







**Control Panel** 



## **Technical Specifications**

MODEL		UC100	UC100L	UC150L	UC200L
apacity (VA/	(Watts)	10K / 9K		15K / 13.5K	20K / 18K
NPUT				'	1
lominal Volta	ige		380/400/415Vac(3Ph+N+	PE) or 220/230/240Vac(L+N+PE)	
Operating Voltage Range		208~478Vac or 120VAC-276Vac			
	equency Range	50Hz: 45~55Hz, 60Hz: 54~66Hz			
ower Factor				≥0.99	
			Max.voltage: 220V: +25	i%(Optional +10%,+15%,+20%)	
Bypass Voltage Range		230V: +20%(Optional +10%,+15%)			
		240V: +15%(Optional +10%)			
		Min. voltage: -45% (Optional -20%,-30%)			
ECO Range		Same as bypass			
Harmonic Dist	tortion (THDi)		≤5%(100°	% non-linear load)	
DUTPUT		'			
Rated Voltage	9		220	230/240Vac	
Power Factor		0.9			
Voltage Regulation		±1%			
Line Mode		$\pm 1\%/\pm 2\%/\pm 4\%/\pm 5\%/\pm 10\%$ of the rated frequency(Optional)			
Frequency Bat. Mode		(50/60 ± 0.1)Hz			
Crest Factor		3:1			
Jarmania Di-	tortion (TUDy)	≤2% with linear load			
Harmonic Disi	tortion (THDv)	≤5% with non-linear load			
Vaveform		Pure Sinewave			
ransfer Time	9	Utility to Battery : 0ms; Utility to Bypass: 0ms			
EFFICIENCY	<b>′</b>	I			
Efficiency		Up to 94%		Up to	94.5%
BATTERY					
Battery Voltag	ne .	Selectable Voltage: ±96/108/120Vdc			
Typical Recharge Time		6~8 hours (To 90% capacity)			
Charging Curi				um current 10A	
PROTECTIO					
	Line Mode	Loads	≤125%: last 5min:≤150%	: last 1min; > 150% 200ms turn to bypas	ss mode
Overload -					
venoau	Bypass Mode	63A(Input breat	ker)	100A(Input breaker)	125A(Input breaker)
	Bypass Mode	63A(Input breat		100A(Input breaker) Whole System	125A(Input breaker)
Short Circuit	Bypass Mode		Hold \	Vhole System	
Short Circuit Overheat	Bypass Mode		Hold \ Node: Switch to Bypass; B		
Short Circuit  Overheat  Battery Low			Hold \ Node: Switch to Bypass; B	Whole System ackup Mode: Shut down UPS immediate	
Short Circuit Overheat Battery Low	S		Hold \ Mode: Switch to Bypass; B Alarm	Whole System ackup Mode: Shut down UPS immediate and Switch off	
Short Circuit Overheat Battery Low NDICATOR: Audible & Visu	<b>S</b> ual Alarms	Line N	Hold \ Node: Switch to Bypass; B Alarm Line Failure, Battery	Whole System ackup Mode: Shut down UPS immediate and Switch off Low, Overload, System Fault	ely
Short Circuit Overheat Battery Low NDICATOR: Audible & Visi	<b>S</b> ual Alarms LCD Display	Line N Line Mode, Backup N	Hold \ floode: Switch to Bypass; B Alarm Line Failure, Battery floode, Eco Mode, Bypass I	Whole System ackup Mode: Shut down UPS immediate and Switch off Low, Overload, System Fault Mode, Battery Low, Battery Bad, Overlo	ely ad & UPS Fault
Chort Circuit Diverheat Battery Low NDICATOR: Audible & Visi Status LED & Parameters C	S ual Alarms LCD Display on The LCD Panel	Line N Line Mode, Backup N	Hold \ floode: Switch to Bypass; B Alarm Line Failure, Battery floode, Eco Mode, Bypass I	Whole System ackup Mode: Shut down UPS immediate and Switch off Low, Overload, System Fault	ely ad & UPS Fault
Short Circuit Overheat Battery Low NDICATOR: Audible & Visu Status LED & Parameters C MANAGEME	S ual Alarms LCD Display on The LCD Panel	Line Mode, Backup Month of the Mode, Backup Month of the Mode, Input/Output Voltage, Input/Output	Hold \ Mode: Switch to Bypass; B Alarm Line Failure, Battery Mode, Eco Mode, Bypass I t Frequency, Load Level, I	Whole System ackup Mode: Shut down UPS immediate and Switch off  Low, Overload, System Fault  Mode, Battery Low, Battery Bad, Overload Battery Level, Inner Temperature & Ren	ely ad & UPS Fault naining Battery Backup Time
Short Circuit Overheat Battery Low NDICATOR: Audible & Visu Status LED & Parameters C MANAGEME Communication	S ual Alarms LCD Display on The LCD Panel ENT on Interface	Line Mode, Backup Month of the Mode, Backup Month of the Mode, Input/Output Voltage, Input/Output	Hold \ Mode: Switch to Bypass; B Alarm Line Failure, Battery Mode, Eco Mode, Bypass I t Frequency, Load Level, I	Whole System ackup Mode: Shut down UPS immediate and Switch off Low, Overload, System Fault Mode, Battery Low, Battery Bad, Overlo	ely ad & UPS Fault naining Battery Backup Time
Short Circuit Overheat Battery Low NDICATOR: Audible & Visu Status LED & Parameters C MANAGEME Communication ENVIRONME	S ual Alarms LCD Display on The LCD Panel ENT on Interface ENT	Line Mode, Backup Month of the Mode, Backup Month of the Mode, Input/Output Voltage, Input/Output	Hold \u00e4 Mode: Switch to Bypass; B Alarm Line Failure, Battery Mode, Eco Mode, Bypass I t Frequency, Load Level, I SB,Parallel card(Optional)	Whole System ackup Mode: Shut down UPS immediate and Switch off  Low, Overload, System Fault Mode, Battery Low, Battery Bad, Overloa Battery Level, Inner Temperature & Ren SNMP card(Optional), Relay card (Opt	ely ad & UPS Fault naining Battery Backup Time
Short Circuit Overheat Battery Low NDICATOR: Audible & Visu Status LED & Parameters C MANAGEME Communication ENVIRONME Operating Ter	S ual Alarms LCD Display on The LCD Panel ENT on Interface ENT mperature	Line Mode, Backup Month of the Mode, Backup Month of the Mode, Input/Output Voltage, Input/Output	Hold \ Mode: Switch to Bypass; B Alarm Line Failure, Battery Mode, Eco Mode, Bypass I t Frequency, Load Level, I SB,Parallel card(Optional)	Whole System ackup Mode: Shut down UPS immediate and Switch off  Low, Overload, System Fault Mode, Battery Low, Battery Bad, Overloa Battery Level, Inner Temperature & Ren , SNMP card(Optional), Relay card (Optional)	ely ad & UPS Fault naining Battery Backup Time
Short Circuit Overheat Battery Low NDICATOR: Audible & Visu Status LED & Parameters C MANAGEME Communicatio ENVIRONME Operating Ter Storage Temp	S ual Alarms LCD Display on The LCD Panel ENT on Interface ENT mperature perature	Line Mode, Backup Month of the Mode, Backup Month of the Mode, Input/Output Voltage, Input/Output	Hold \ Mode: Switch to Bypass; B Alarm Line Failure, Battery Mode, Eco Mode, Bypass I t Frequency, Load Level, I SB,Parallel card(Optional)	Whole System ackup Mode: Shut down UPS immediate and Switch off  Low, Overload, System Fault Mode, Battery Low, Battery Bad, Overloa Battery Level, Inner Temperature & Ren SNMP card(Optional), Relay card (Opt	ely ad & UPS Fault naining Battery Backup Time
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Short Circuit Overheat Battery Low NDICATOR: Audible & Visu Status LED &	S ual Alarms LCD Display In The LCD Panel ENT on Interface ENT mperature Derature ge  ×D×H (mm) g) S	Line Mode, Backup	Hold \( \) Mode: Switch to Bypass; B	Whole System ackup Mode: Shut down UPS immediate and Switch off  Low, Overload, System Fault Mode, Battery Low, Battery Bad, Overloa Battery Level, Inner Temperature & Ren  SNMP card(Optional), Relay card (Opt 0 ~ 40°C 25~55°C Non-condensing) < 1500m  <5:  250 × 502 × 616  45  with EN62040-2 0-1,IEC/EN60950-1 4-2,IEC61000-4-4,	ely  ad & UPS Fault naining Battery Backup Time tional)
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<sup>·</sup> Output factor is changed when selecting different battery quantity. 16PCS:0.7; 18PCS:0.8; 20PCS:0.9;

 $<sup>\</sup>cdot$  Specifications are subject to change without prior notice.