

RM11E SERIES PF0.9 Power range: 1kVA~3kVA



Features:

- Rack/Tower convertible design
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A (Long run unit-Optional)
- \cdot Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible

- · Hot-Swappable battery design
- Cold start function
- · Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface: RS232 (USB/EPO/Relay card/SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- PDU with maintenance bypass switch (Optional)



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RM11E RT Convertible Double Conversion On-Line UPS



RM11E Technical Specifications:

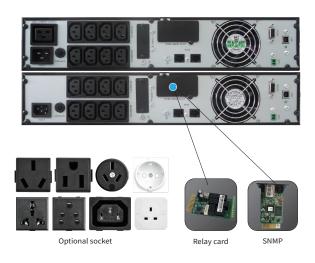
				RM	11E					
Model		RM11E RT 1k L	RM11E RT 1k S	RM11E RT 2k L	RM11E	RT 2k S	RM11E RT 3k L	RM11E RT		
apacity		1000VA/900W 2000VA/1800W 3000VA/2700W								
NPUT	_		_	_	_	_	_	_		
Nominal voltag	e			208/220/2	230/240Vac					
nput voltage ra				110~300Vac (176~		load)				
Power factor	0				0.99					
FREQUENCY										
Frequency rang	e			40~70Hz (50/60H	lz Auto-Sensing	g)				
OUTPUT	_		_				_	_		
Output voltage				208/220/2	230/240Vac					
Voltage regulati	ion			±	1%					
Power factor				().9					
Output	Line mode				or 56~64Hz					
requency	Bat. mode				0.1%)Hz					
Crest factor				3	3:1					
					near load					
Harmonic disto	rtion (THDv)				linear load					
	AC mode to Bat.mode				ms					
Transfer time	Inverter to Bypass			4ms (Гурісаl)					
Output wavefor	rm			Pure S	inewave					
EFFICIENCY			_				_	_		
AC mode		90.9% 92% 92.3%								
BATTERY										
Battery number	r	2 3	2 3	4 6	4	6	6 8	6		
Capacity (Stand		9Ah/12V (7Ah/12V optional)								
ypical recharg	ing time	4 hours (To 90% of full capacity)								
Charging voltag	ge	27.4Vdc±1% 41.1Vdc±1% 27.4Vdc±1% 41.1Vdc±1% 54.8Vdc±1% 82.2Vdc±1% 54.8Vdc±1% 82.2Vdc±1% 82.2Vdc±1% 109.6Vdc±1% 82.2Vdc±1%								
Charging currer		6A	1.4A	6A	1.4		6A	1.4A		
NDICATORS										
.ED display		Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault								
				nput frequency, Output vo		_				
_CD display		Battery voltage, Inner temperature & Rémaining battery backup time								
ALARM										
Battery mode		Beeping every 4 seconds								
Battery low		Beeping every second								
Overload				Beeping twic	e every second					
ault		Continously beeping								
PHYSICAL										
Dimension W×	D×H	440×325×86.5mm	440×460 ×86.5mm	440×600×86.5mm	440 ×460 ×86.5mm		440×600×	86.5mm		
Net weight		5.6kg 1:	1.3kg 14kg	10.5kg	19.5kg	25kg	11kg	26kg		
ENVIRONMENT										
perating temp	erature			0°C	~40°C					
Storage temper	ature			-25°0	C~55°C					
Humidity range				20~95%RH @ 0~4	0°C (Non conde	nsing)				
Altitude				<1500m, derating re	equired when>	1500m				
Noise level				<50dB	at 1 Meter					
STANDARDS										
		IEC/EN 62040-1, IEC/EN 62477-1								
Safety				IEC/EN 62040-1	, IEC/EN 62477	-1				

- When output voltage is 208Vac, need to derate to 80% of the unit capacity
 Specifications are subject to change without prior notice
 Data above are typical values for reference only, not as a basis for engineering design

RC 1-3kVA battery pack specification

	Rack Cabinet					
Model	RC04024E-B	RC06036E-B	RC08048E-B	RC12072E-B	RC08096E-B	
BATTERY SYSTEM						
Battery type	VRLA (Lead acid maintenance free battery)					
Typical battery recharging time		6	5∼8 hours (To 90% of full capacity	y)		
Typical battery life		3∼5 years, dep	end on discharing cycle and ambi	ent temperature		
System voltage	24Vdc	36Vdc	48Vdc	72Vdc	96Vdc	
Charging current (Max.)	1.4A					
Battery quantity	4	6	8	12	8	
Capacity			9Ah/12V (7Ah/12V optional)		
PHYSICAL						
Dimension $W \times D \times H$	440×430	×86.5mm	440×550×86.5mm	440×710×86.5mm	440×550×86.5mm	
Net weight	17.4kg	22.5kg	31.5kg	44kg	31.5kg	
ENVIRONMENT						
Safety			CE			
Operating environment			0°C~40°C			
Relative humidity			0∼95% (Non condensing)			
Noise level			<40dB at 1 Meter			

- Specifications are subject to change without prior notice
 Data above are typical values for reference only, not as a basis for engineering design
 Remark: RC08048E; "RC" means Rack Cabinet; "08" means battery number inside the Rack;
 "048" means the battery system voltage; "E" means the Rack coming with charger







Multifunctional



The LCD panel can be rotated



RM11E SERIES PF0.9 Power range: 6kVA~10kVA



Features:

- · High power density
- LCD supports Rack/Tower convertible design
- N+X parallel redundancy, support maximum
 4 units in parallel
- Online double conversion with full digital control
- Optimization battery group, the quantity of battery: 16/18/20pcs (Settable)
- · Wide input voltage range: 110∼286Vac
- Wide input frequency range
- · Generator compatible
- ECO mode operation for energy saving

- · Self-testing when UPS startup
- Multiple communication interface: RS232/USB/PO (Relay card/SNMP card optional)
- · Parallel kit default
- · Maximum charging current up to 10A
- Cold start function
- · Intelligent fan speed regulation
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- PDU with maintenance bypass switch (Optional)



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RM11E RT Convertible Double Conversion On-Line UPS



RM11E Technical Specifications:

		RM1	1E						
Model		RM11E RT 6K / RM11E 6KVA L	RM11E RT 10K / RM11E 10KVA L						
Capacity		6000VA/5400W	10000VA/9000W						
INPUT									
Nominal voltag	ge	208/220/230)/240Vac						
Input voltage ra		110~28	- 6Vac						
Power factor		≥0.9	≥0.99						
Bypass voltage range		Max.voltage: 220V: +25% (Optional +10%, +15%, +20%) 230V: +20% (Optional +10%, +15%) 240V: +15% (Optional +10%) Min.voltage: -45% (Optional -20%, -30%)							
FREQUENCY									
Frequency rang	ge	40~70Hz (50/60Hz	Auto-Sensing)						
OUTPUT									
Output voltage		208/220/230)/240Vac						
Voltage regulat		±19							
Power factor		0.9							
	Line mode	$\pm 1\%/\pm 2\%/\pm 4\%/\pm 5\%/\pm 10\%$ of	the rated frequency (Optional)						
Output frequency	Bat. mode	(50/60±0.							
Crest factor	But mode	3:1							
Crest lactor		≤2% Linea	ar land						
Harmonic disto	ortion (THDv)								
	AC Is to Pot Is	≤5% Non linear load Oms							
Transfer time	AC mode to Bat.mode	Oms							
0	Inverter to Bypass	Pure Sinewave							
Output wavefo		Load≤110% last 60min; ≤125% last 10min; ≤150% last 1min; >150% turn to bypass mode immediately							
Overload Line mode		40A (Breaker)							
	Bypass mode								
Efficiency		up to 9	4%						
BATTERY									
Battery voltage		±96/±108/±120							
Typical recharg		6∼8 hours (To 90%							
Charging curre	nt	Max.current 10A (Charging current can l	pe set according to battery capacity)						
INDICATORS									
LED display		Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault							
LCD display		Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time							
ALARM									
Battery mode		Beeping every	4 seconds						
Battery low		Beeping every second							
Overload		Beeping twice every second							
Fault		Continously	beeping						
PHYSICAL									
Dimension W×	D×H	440×625×	86.5mm						
Net weight		16kg	18kg						
ENVIRONMEN	Т								
Operating temp	perature	0°C~4	0°C						
	rature	−25°C~55°C							
Storage temper		20~95%RH @ 0~40°C (Non condensing)							
		20~95%RH @ 0~40°C	(Non condensing)						
Humidity range	2	20~95%RH @ 0~40°C <1500m, derating requ	•						
Humidity range	2		•						
Storage temper Humidity range Altitude Noise level STANDARDS	3	<1500m, derating requ	ired when>1500m						
Humidity range Altitude Noise level		<1500m, derating requ	uired when>1500m <58dB at 1 Meter						

- When output voltage is 208Vac, need to derate to 80% of the unit capacity
 Specifications are subject to change without prior notice
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RC 6-10kVA battery pack specification

	Rack Cabinet
Model	RC20120N / RC20120N-B
BATTERY SYSTEM	
Battery type	VRLA (Lead acid maintenance free battery)
Typical battery recharging time	6~8 hours (To 90% of full capacity)
Typical battery life	3∼5 years, depend on discharing cycle and ambient temperature
System voltage	±120Vdc
Battery quantity	1×20 PCS
Capacity	9Ah (12V)
PHYSICAL	
Dimension W \times D \times H	440×680×131mm (3U)
Net weight	63kg
ENVIRONMENT	
Safety	CE
Operating environment	0°C~40°C
Relative humidity	0~95% (Non condensing)
Noise level	<40dB at 1 Meter

- 2. Specifications are subject to change without prior notice
 2. Data above are typical values for reference only, not as a basis for engineering design
 3. Remark: RC20120N; "RC" means Rack Cabinet; "20" means battery number inside the Rack;
 "120" means the battery system voltage; "N" means battery with neutral connection





Multifunctional



The LCD panel can be rotated





TM11E SERIES PF0.9 Power range: 1kVA~3kVA



Features:

- · High power density
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving

- Generator compatible
- Cold start function
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Multiple communication interface:
 RS232 (USB/EPO/Relay card/SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



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TM11E Technical Specifications:

		TM11E																			
Model		TM11E 1	k L	TM11	E 1k S	TM11	E 2k L	TM11	2k S	TM11	E 3k L	TM11	LE 3k S								
Capacity			1000VA/	900W			2000VA	/1800W			3000VA	/2700W									
INPUT																					
Nominal voltage	2						208/220/2	30/240Vac													
Input voltage ra		208/220/230/240Vac 1.10~300Vac (176~264Vac @ 100% load)																			
Power factor	60	≥0.99																			
FREQUENCY																					
Frequency range	2					40	~70Hz (50/60H	Iz Auto-Sensin	g)												
OUTPUT							, ,		<u>.</u>												
Output voltage							208/220/2	30/240Vac													
/oltage regulation	on							1%													
Power factor								.9													
	Line mode							or 56~64Hz													
Output requency	Bat. mode							0.1%)Hz													
Crest factor								:1													
o. est luctor							≤3% Lir														
Harmonic distor	tion (THDv)						≤5% Non														
	AC mode to Bat.mode							ns													
Transfer time	Inverter to Bypass							ypical)													
Output wavefor								newave													
FFICIENCY																					
AC mode		88% 92% 92%																			
Battery mode			85% 88%					89%													
BATTERY	_							.,,													
Battery number		2	3	2	3	4	6	4	6	6	8	6	8								
Capacity (Stand			-					/12V optional)	_	-											
Typical rechargi						4		of full capacit	v)												
Charging voltage	_	27.4Vdc±1% 41	1Vdc+1%	27 4Vdc + 1%	41 1Vdc+1%					82 2Vdc+1%	109.6Vdc±1%	82 2Vdc+1%	109 6Vdc+								
Charging curren		6A	.1146=170		L.4A		A	1.4			6A		.4A								
NDICATORS	- (· ·a···)	0,1					,,		,,,												
LED display				Lin	ne mode. Bat.n	node. FCO mo	de. Bypass mo	de. Battery lov	v voltage. Ove	erload & UPS f	fault										
LCD display		Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature& Remaining battery backup time																			
ALARM	_	_		-	Batter	y voitage, inn	er temperatur	e& Remaining	pattery backu	p time	_	_	-								
Battery mode							Reening eve	ry 4 seconds													
Battery low		Beeping every second																			
Overload		Beeping twice every second																			
Fault		Continously beeping																			
PHYSICAL								, -rb													
Dimension W×[Э×Н	144×	293×209ı	mm	144×399 ×209mm				191×46	60×337mm											
Net weight		4.1kg		9.3kg	12.5kg	10)kg	19.5kg	24.5kg	1	0kg	24.5kg	29.5kg								
ENVIRONMENT																					
	erature						0°C~	40°C													
Operating temp			-25°C~55°C																		
Operating tempostorage tempera	ature		20~95%RH @ 0~40°C (Non condensing)																		
Storage tempera	ature					20~95	5%RH@0~40°	C (Non conder	ising)				<1500m, derating required when>1500m								
Storage tempera	ature						_	•													
	ature						m, derating re	quired when>													
Storage tempera Humidity range Altitude Noise level	ature						m, derating re	•													
itorage tempera lumidity range altitude	ature					<1500	m, derating re	quired when>	1500m												

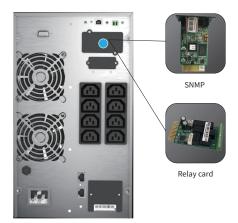
- When output voltage is 208Vac, need to derate to 80% of the unit capacity
 Specifications are subject to change without prior notice
 Data above are typical values for reference only, not as a basis for engineering design

TC 1-3kVA battery pack specification

	Tower Cabinet							
Model	ТС04024С-В	ТС06036С-В	ТС08048С-В	ТС12072С-В	ТС16096С-В			
BATTERY SYSTEM								
Battery type	rery type VRLA (Lead acid maintenance free battery)							
Typical battery recharging time	6∼8 hours (To 90% of full capacity)							
Typical battery life		3∼5 years, de	pend on discharing cycle and ambie	ent temperature				
System voltage	24Vdc	36Vdc	48Vdc	72Vdc	96Vdc			
Charging current (Max.)			1.4A					
Battery quantity	4	6	8	12	16			
Capacity			9Ah/12V (7Ah/12V optional)					
PHYSICAL								
Dimension $W \times D \times H$	144×399	×209mm		191×460×337mm				
Net weight	13.5kg	18.5kg	28.5kg	38.5kg	47.5kg			
ENVIRONMENT								
Safety			CE					
Operating environment	0°C~40°C							
Relative humidity			0∼95% (Non condensing)					
Noise level			<40dB at 1 Meter					

- Specifications are subject to change without prior notice
 Data above are typical values for reference only, not as a basis for engineering design
 Remark: TC08048C; "TC" means Tower cabinet; "08" means battery number inside the cabinet; "048" means the battery system voltage; "C" means the cabinet coming with charger







Rear panel





TM11E SERIES PF0.9 Power range: 6kVA~10kVA



Features:

- N+X parallel redundancy, support maximum 4 units in parallel
- · Online double conversion with full digital control
- Optimization battery group, the quantity of battery: 16/18/20pcs (Settable)
- Wide input voltage range: 110~286Vac
- · Wide input frequency range
- Selectable output voltage: 208/220/230/240Vac
- Generator compatible
- ECO mode operation for energy saving
- Self-testing when UPS startup

- Multiple communication interface:
 RS232/USB/EPO (Relay card/SNMP card optional)
- Maximum charging current up to 10A
- Cold start function
- Design with maintenance switch (Optional)
- Intelligent fan speed regulation
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



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TM11E Technical Specifications:

			TM1	1E					
Model		TM11E 6KVA L	TM11E 6KVA 16X9	TM11E 10KVA L	TM11E 10KVA 20X9				
apacity		6000VA/5400W 10000VA/9000W							
NPUT									
Nominal voltag	re		208/220/2	230/240Vac					
nput voltage r		110~286Vac							
ower factor	ange			0.99					
Ower lactor									
Bypass voltage	range	Max.voltage: 220V: +25% (Optional +10%, +15%, +20%) 230V: +20% (Optional +10%, +15%) 240V: +15% (Optional +10%) Min.voltage: -45% (Optional -20%, -30%)							
REQUENCY									
requency rang	ge		40∼70Hz (50/60	Hz Auto-Sensing)					
DUTPUT									
Output voltage			208/220/2	230/240Vac					
oltage regulat	ion		<u>±</u>	1%					
Power factor			(1.9					
Output	Line mode			of the rated frequency (Optional)					
requency	Bat. mode			:0.1%)Hz					
rest factor				k:1					
est luctor									
Harmonic disto	ortion (THDv)			near load					
		≤5% Non linear load							
ransfer time	AC mode to Bat.mode	Oms Oms							
	Inverter to Bypass								
output wavefo	rm	Pure Sinewave							
verload	Line mode Bypass mode	Load≤110% last 60min; ≤125% last 10min; ≤150% last 1min; >150% turn to bypass mode immediately 40A (Breaker) 63A (Beaker)							
Efficiency	,,	up to 93.5%							
ATTERY									
Battery voltage		±96/±108/±120Vdc (Settable)	±120Vdc	±96/±108/±120Vdc (Settable)	±120Vdc				
Capacity (Stand		_55/_155/_125/dc (Gettable)		/12V optional)					
ypical recharg)% of full capacity)					
	_	1 254 4 5							
Charging curre	III.	1.35A deta	uit; Max.current 10A (Charging cui	rent can be set according to battery cap	pacity)				
NDICATORS									
_ED display		Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault							
.CD display		Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time							
LARM									
attery mode		Beeping every 4 seconds							
Battery low			Beeping e	very second					
Overload		Beeping twice every second							
ault		Continously beeping							
HYSICAL									
imension W×	D×H		H: 191×460×337mm; S: 19	1×460×720mm (With wheel)					
Net weight		12.5kg	70kg	14kg	71.5kg				
NVIRONMENT									
perating tem			0°C	~40°C					
torage tempe				~					
lumidity range				O°C (Non condensing)					
ltitude				equired when>1500m					
Noise level		<55dB at 1 Me	ter	<58dE	3 at 1 Meter				
TANDARDS									
afety			IEC/EN 62040-1	, IEC/EN 62477-1					
				000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 6100					

- 1. When output voltage is 208Vac, need to derate to 80% of the unit capacity
- Specifications are subject to change without prior notice
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TC 6-10kVA battery pack specification

	TC40120N/TC40120N-B				
BATTERY SYSTEM					
Battery type	VRLA (Lead acid maintenance free battery)				
Typical battery recharging time	6~8 hours (To 90% of full capacity)				
Typical battery life	3∼5 years, depend on discharing cycle and ambient temperature				
System voltage	±120Vdc				
Battery quantity	2×20 PCS				
Capacity	9Ah (12V)				
PHYSICAL					
Dimension W×D×H	250×619×616mm (With wheel)				
Net weight	134kg				
ENVIRONMENT					
Safety	CE				
Operating environment	0°C~40°C				
Relative humidity	0∼95% (Non condensing)				
Noise level	<40dB at 1 Meter				

- 1. Specifications are subject to change without prior notice
- 2. Data above are typical values for reference only, not as a basis for engineering design
- 3. Remark: TC40120N; "TC" means Tower cabinet; "40" means battery number inside the cabinet; "120" means the battery system voltage; "N" means battery with neutral connection

