



MEMOPOWER-**III** Series 1kVA~20kVA

COMPANY PROFILE

Founded in 1993, Shenzhen KSTAR Science & Technology Co., Ltd (Stock Code: 002518) is a National Torch Plan Key High-tech Enterprise, and also a pioneer of UPS industry and a total solution provider for Data Center Critical Infrastructure & Photovoltaic Inverter Systems in Mainland China. KSTAR is fully committed to the R&D and has been providing high-quality products with full service to over 150 countries and regions worldwide, leading the industrial development with innovation.



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Glonal Service Network

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National Customer Service Hotline: 400–700–9662

17 Overseas Technical Service Centers 40 Overseas Service Engineers



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MEMOPOWER-III Series

1:1 Phase PF 0.9 (PF 0.8/1.0 optional)

Power range: 1kVA~3kVA



- · High power density
- \cdot 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)
- \cdot Emergency power off function (EPO)
- \cdot ECO mode operation for energy saving
- · Generator compatible
- · Cold start
- \cdot Intelligent fan speed regulation
- · Load segment settable (Optional)
- \cdot 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







MODEL		MP	1k H	MF	? 1k S	MP	2k H	MP	2k S	M	P 3k H	MP	3k S
Capacity			1000VA/900W 2000VA/1800W 3000VA/2700W										
INPUT													
Nominal voltag	e						208/220/2	30/240Vac					
Input voltage ra	ange		110~300Vac (176~264Vac @ 100% load)										
Power factor							≥(0.99					
FREQUENCY													
Frequency ran	ge					40~70)Hz (50/60F	-Iz Auto-Se	nsing)				
OUTPUT													
Output voltage							208/220/2	30/240Vac					
Voltage regula	tion						±	1%					
Power factor							C).9					
Output	Line mode						46~54Hz	or 56~64Hz	2				
frequency	Bat. mode						(50/60±	:0.1%)Hz					
Crest factor							3	3:1					
Harmonic disto	ortion (THDy)						≤3% Lir	near load					
							≤5% Non	linear load					
Transfer time	AC mode to Bat.mod	;					0	ms					
	Inverter to Bypass						4ms (l ypical)					
Output wavefo	rm						Pure S	inewave					
EFFICIENCY													
AC mode		88%				90%			91%				
Battery mode		85% 87%					88%						
BATTERY													
Battery numbe	r	2	3	2	3	4	6	4	6	6	8	6	8
Capacity (Stan	dard unit)	9Ah/12V (/Ah/12V optional)											
Typical recharg	ging time	4 hours (To 90% of full capacity)											
Charging volta	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% 109.6V						109.6Vdc±1%					
Charging curre	ent (Max.)	6A/	'12A		1A	6A/	'12A		1A	6	A/12A	1	A
INDICATORS													
LED display		Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault											
LCD display		Input voltage, input requency, Output voltage, Output trequency, Load percentage, Battery voltage, Inner temperature& Remaining battery backup time											
ALARM													
Battery mode		Beeping every 4 seconds											
Battery low							Beeping ev	very second	k				
Overload						Be	eping twice	e every sec	ond				
Fault							Continous	sly beeping					
PHYSICAL													
Dimension W >	«D×Н	144	× 293 × 20	9mm	144 × 399 × 209mm				191×460) × 337mm			
Net weight		4.	1kg	9.3kg	12.5kg	1()kg	19.5kg	24.5kg		10kg	24.5kg	29.5kg
ENVIRONMEN	T												
Operating tem	perature						°℃~	~40°C					
Storage tempe	erature						- 25°	C~55℃					
Humidity range	9					20~95%	RH @ 0~40)℃ (Non co	ndensing)				
Altitude						< 1500m,	, derating re	equired whe	n > 1500m				
Noise level							<50dB a	at 1 Meter					
STANDARDS													
Safety						IEC/E	N 62040-1	, IEC/EN 62	2477-1				
EMC		IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)											

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

MP BT 1-3kVA battery pack specification

MODEL	MP BT04024C	MP BT06036C	MP BT08048C	MP BT12072C	MP BT16096C				
BATTERY SYSTEM									
Battery type		VRLA (Lead acid maintenance free	battery)					
Typical battery recharging time		6~	8 hours (To 90% of full capa	city)					
Typical battery life		3~5 years, deper	nd on discharing cycle and ar	nbient 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 × D × H	144 × 399	9 × 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: MP BT08048C "MP" means series; "BT" means Battery Tower cabinet; "048" means battery number inside the cabinet; "048" means the battery system voltage; "C" means the cabinet coming with charger

MEMOPOWER RT-III Series

1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 1kVA~3kVA



- · 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)
- · Emergency power off function (EPO)
- · ECO mode operation for energy saving
- · Generator compatible
- · Hot-Swappable battery design
- · Cold start
- · 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)





Multifunctional bracket

The LCD panel can be rotated



Optional socket

Relay card SNMP

MODEL		MP RT	1k H	MP R	T 1k S	MP RT 2k H	MP RT	2k S	MP RT 3k H	-	MP RT 3k S	
Capacity		1000VA/900W 2000VA/1800W 3000VA/2700W										
INPUT												
Nominal voltag	le	208/220/230/240Vac										
Input voltage r	ange		110~300Vac (176~264Vac @ 100% load)									
Power factor		≥0.99										
FREQUENCY												
Frequency ran	ige	40~70Hz (50/60Hz Auto-Sensing)										
OUTPUT												
Output voltage	5					208/220/2	30/240Vac					
Voltage regula	tion					±	1%					
Power factor						C	.9					
Output	Line mode					46~54Hz (or 56 ~ 64Hz					
frequency	Bat. mode					(50/60±	0.1%)Hz					
Crest factor						3	:1					
Harmonic disto	ortion (THDv)					≤3% Lir	near load					
						≤5% Non	linear load					
Transfer time	AC mode to Bat.mode					01 4 mc (-	TIS Evinical)					
	Inverter to Bypass					41115 (i ypical)					
Output waverd	rm					Pure S	inewave					
EFFICIENCY												
AC mode		89%				91%			92%			
Ballery mode		85% 87%					88%					
BATTERY												
Battery number		2	3	2	3	4 6	4	6	6	8	6	
Capacity (Stari	idard unit)	$\frac{\partial r_{\rm M}}{\partial r_{\rm M}} = \frac{1}{2} \sqrt{\frac{1}{2} \frac{1}{2} $										
l ypical recharg	ging time	4 hours (10 90% of full capacity)										
Charging voita	ye	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%109.6\	/dc±1%	82.2Vdc±1%	
Charging curre	ent (Iviax.)	6AV	IZA		1A	6A/12A	1.	A	6A/12A		1A	
INDICATORS												
LED display		Line mode, Ballmode, ECO mode, Bypass mode, Battery low voitage, Overload & UPS tault										
LCD display				Input	voltage, Inpu Battery vol	ut requency, Output voltage, Output frequency, Load percentage, Itage, Inner temperature & Remaining battery backup time						
ALARM												
Battery mode		Beeping every 4 seconds										
Battery low		Beeping every second										
Overload		Beeping twice every second										
Fault						Continous	sly beeping					
PHYSICAL												
Dimension W >	×D×Н	440×	< 325 × 86.5	imm	440 × 460 × 86.5mm	440×600×86.5mm	440 ×460 ×86.5mm		440×600) × 86.5mm		
Net weight		5.6	kg	11.3kg	14kg	10.5kg	19.5kg	25kg	11kg		26kg	
ENVIRONME	NT											
Operating tem	perature					~ 3°0	-40°C					
Storage tempe	erature					- 25°C	:~55℃					
Humidity range	Э					20~95%RH@0~4	0℃ (Non cor	ndensing)				
Altitude						< 1500m, derating re	quired wher	n > 1500m				
Noise level						<50dB a	at 1 Meter					
STANDARDS												
Safety						IEC/EN 62040-1	, IEC/EN 624	477-1				
EMC		IEC/EN 620	040-2(IECF	1000-4-2 IF	EC 61000-4-3	3. IEC 61000-4-4. IEC 610	00-4-5. IEC.6	61000-4-6	IEC 61000-4-8. IFC	C61000-4-1	11, IEC 61000-2-2)	
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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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MP BR 1-3kVA battery pack specification

MODEL	MP BR04024C	MP BR06036C	MP BR08048C	MP BR12072C	MP BR08096C
BATTERY SYSTEM					
Battery type		VRLA	(Lead acid maintenance free	battery)	
Typical battery recharging time		6~	8 hours (To 90% of full capa	icity)	
Typical battery life		3~5 years, depe	nd on discharing cycle and ar	nbient 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×D×H	440×43	0×86.5mm	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: MP BR08048C "MP" means series; "BR" means Battery Rack; "08" means battery number inside the Rack; "048" means the battery system voltage; "C" means the Rack coming with charger

MEMOPOWER-III Series

1:1 Phase PF 0.9 (PF 0.8 optional)

Power range: 6kVA ~ 10kVA



- \cdot Online double conversion with full digital control
- Optimization battery group, the quantity of battery: 16/18/20pcs (Settable)
- · Wide input voltage range: 110~286Vac
- · Input power factor 0.99 with PFC
- · Wide input frequency range
- · Selectable output voltage: 208/220/230/240Vac
- · Generator compatible
- \cdot ECO mode operation for energy saving
- \cdot Self-testing when UPS startup
- Multiple communication interface: RS232/USB/EPO (Relay card /SNMP card optional)
- · Cold start
- \cdot Design with maintenance switch (Optional)
- \cdot Intelligent fan speed regulation
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



MODEL		MP 6k H	MP 6k S	MP 10k H	MP 10k S				
Capacity		6000VA/5	400W	100	00VA/9000W				
INPUT									
Nominal voltag	je		208/220/	230/240Vac					
Input voltage r	ange	110~286Vac							
Power factor			2	:0.99					
Bypass voltag	e range		Max.voltage: Min.voltage:	230~264Vac 176~220Vac					
FREQUENCY	,								
Frequency rar	nge		40~70Hz (50/60)Hz Auto-Sensing)					
OUTPUT									
Output voltage	9		208/220/	230/240Vac					
Voltage regula	ation		:	± 1%					
Power factor				0.9					
Output	Line mode		± 10% of the	rated frequency					
frequency	Bat mode		(50/60	± 0.1%)Hz					
Crest factor	Datimodo		X	3:1					
			≤2%	inear load					
Harmonic diste	ortion (THDv)		<5% No	n linear load					
	AC mode to Bat mode		()ms					
Transfer time	Inverter to Bypass		5ms	(Typical)					
Output wavefo	ninverter to bypass		Pure	Sinewave					
ouput navoie	Line mode	Load≤105% long time	running: ≤125% last 10min: ≤	130% last 30s: > 130% turn to	bypass mode immediately				
Overload	Bypass mode	40A (Bre	aker)	6	3A (Breaker)				
Efficiency	b)pass meas	~	, up to	93.5%	× ,				
BATTEDV									
Batton voltage	2	102/216/240\/dc (Sottable), without noutral	240\/dc	102/216/240\/do.(Sottabla), without r	240\/dc				
Canacity (Star	e odard unit)								
Turpical reacher	aina timo	6~8 hours (To 90% of full capacity)							
Chorging ourr	ging ume	1 354 (Standard unit): Long run unit Max gurrent 84 (Charging gurrent can be set according to battery conscibu)							
	5111	י איטא געטיגוויטמיט טוווג, בטויש זטוי טווג אומא. עמרסוג טא נטוזמושוע עמרסוג עמר שיש אנ מעטיטווש נט שמננס א (עלש געטיגעטיגעט געטיגעט געט							
INDICATORS									
LED display		Line mode, E	at.mode, ECO mode, Bypass n	node, Battery low voltage, Over	10ad & UPS fault				
LCD display		input voltage, input irequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time							
ALARM									
Battery mode			Beeping ev	ery 4 seconds					
Battery low			Beeping e	very second					
Overload		Beeping twice every second							
Fault			Continou	usly beeping					
PHYSICAL									
Dimension W	×D×Н		H: 191 × 460 × 337mm; S: 1	91 × 460 × 720mm (With wheel))				
Net weight		12kg	69.5kg	13.5kg	71kg				
ENVIRONME	NT		Ŭ						
	inerature		0°C	~40°C					
Storage temp	aratura		- 25	-55°C					
Storage tempe			20 - 05% DH @ 0	40°C (Non condensing)					
Authority range	e		20~95%RH @ 0~.	40 C (Non condensing)					
Noise loval			< room, deraung r		dD at 1 Matar				
NUISE IEVEI		< 55dB at 1	IVIELEE	< 58	al i Meter				
STANDARDS									
Safety			IEC/EN 62040-	1, IEC/EN 62477-1					
EMC		IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)							

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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MP BT 6-10kVA battery pack specification

MODEL	MP BT40240
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	$3\sim$ 5 years, depend on discharing cycle and ambient temperature
System voltage	240Vdc
Battery quantity	2×20 PCS
Capacity	7Ah/9Ah (12V)
PHYSICAL	
Dimension W × D × H	250 × 619 × 616mm
Net weight	122kg/134kg
ENVIRONMENT	
Safety	CE
Operating environment	℃ ~ 40℃
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: MP BT40240 "MP" means series; "BT" means Battery Tower cabinet; "40" means battery number inside the cabinet; "240" means the battery system voltage

MEMOPOWER Pro-III Series

1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 6kVA ~ 10kVA



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



MODEL		MP Pro 6k H	MP Pro 6k S		MP Pro 10k H		MP Pro 10k S			
Capacity		6000VA/5	6000VA/5400W 10000VA/9000W							
INPUT										
Nominal volta	ge		208	3/220/230/240∨a	0					
Input voltage	range			110~286Vac						
Power factor				≥0.99						
Bypass voltag	ge range	Max.voltage: 220V: +25% (Optional +10%, +15%, +20%) 230V: +20% (Optional +10%, +15%) 240V: +15% (Optional +10%) Min.voltage: -45% (Optional -20%, -30%)								
FREQUENC	Y									
Frequency ra	nae		40~70Hz ((50/60Hz Auto-S	ensina)					
	5			x .	3,					
Output voltag	e		208	3/220/230/240\/a	C I					
Voltage regul	ation			± 1%						
Power factor				0.9						
Output	Line mode		± 1%/ ± 2%/ ± 4%/ ± 5%/ ±	± 10% of the rate	d frequency (Optio	nal)				
frequency	Bat. mode		(5	50/60 ± 0.1%)Hz						
Crest factor				3:1						
Llormonio dici	tertion (TLIDu)		\$	2% Linear load						
Harmonic dis	lorlion (THDV)		≤50	% Non linear load	ł					
Transfer time	AC mode to Bat.mode			0ms						
	Inverter to Bypass	Oms								
Output wavef	orm		F	Pure Sinewave						
Overload	Line mode	Load≤110% last 6	Jmin; ≤125% last 10min; •	≤150% last 1mir	i; >150% turn to by	pass mode imr	mediately			
	Bypass mode	40A (Bre	aker)	1 00 50/	C	3A (Breaker)				
Emiciency				up to 93.5%						
BATTERY										
Battery voltag	(e	\pm 96/ \pm 108/ \pm 120Vdc (Settable)	± 120Vdc	±96/±1	08/±120Vdc (Sett	able)	±120Vdc			
Capacity (Sta	ndard unit)	SAUVIZY (IAUVIZY OPUONIAI)								
Chorging our	rging ume	0 - 0 10015 (10 507% 01 1011 cdpacity) 1.354 (Standard unit): Long run unit May current 104 (Charming current can be set according to battery conscitu								
	ent	1.35A (Standard unit); I	Long run unit Max.current	TUA (Charging cu	inent can be set a	cording to bat	tery capacity)			
		Line mede .	et es el a EQQ es el a Dura	Dette			14			
LED display		Line moue, ballmoue, ECO moue, bypass moue, Ballery row vollage, Ovenoad & OPS raul								
LCD display		E	Battery voltage, Inner temp	erature & Remai	ning battery backu	p time				
ALARM										
Battery mode		Beeping every 4 seconds								
Battery low		Beeping every second								
Overload		Beeping twice every second								
Fault			Cor	ntinously beeping	J					
PHYSICAL										
Dimension vv	×D×H	10.51	H: 191 × 460 × 33/mm;	; S: 191 × 460 × 7	20mm (With whee	.)	745			
ivet weight		12.5kg	/0kg		14kg		/1.5kg			
ENVIRONME	NT .			212 1212						
Operating ter	nperature			0℃~40℃						
Storage temp	perature		00.05% DU C	-25°C~55°C						
Attitude	je		20~95%RH @	かい~40 C(INON C ating required wh	ondensing) on > 1500m					
Moise level			Notor	anng required Wh	2112 1000111 2 E	9dB at 1 Motor				
		N DOUB AL T	INCLO		0 >	Sub at Tivieter				
STANDARDS	>				0477 4					
Salety			IEC/EN 62	1040-1, IEC/EN 6			000 4 11 150 64000 1	2 2)		
LIVIU		ILU/EIN02040-2 (IEU 0 1000-4-2, IEU	01000-4-3, IEC 01000-4-4, I	ILC01000-4-0, IEC	JU1000-4-0, IEU 01	JUU-4-0, IEU 0 1	000-4-11, IEC 0 1000-2	<u>(</u> 2" _)		

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

MP BT 6-10kVA Pro battery pack specification

MODEL	MP BT40120N
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	$3\!\sim\!5$ years, depend on discharing cycle and ambient temperature
System voltage	±120Vdc
Battery quantity	2×20 PCS
Capacity	7Ah/9Ah (12V)
PHYSICAL	
Dimension W × D × H	250×619×616mm (With wheel)
Net weight	122kg/134kg
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: MP BT40120N "MP" means series; "BT" means Battery Tower cabinet; "40" means battery number inside the cabinet; "120" means the battery system voltage; "N" means battery with neutral connection

MEMOPOWER RT Pro- M Series

1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 6kVA ~ 10kVA



- · 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
- · 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)



be rotated

MODEL		MP RT 6k		MP RT 10k					
Capacity		6000VA/5400W		10000VA/9000W					
INPUT									
Nominal volta	ge	2)8/220/230/240Vac						
Input voltage	range		110~286Vac						
Power factor	Ū.		≥0.99						
Bypass volta	ge range	Max.voltage: 220 230 240 Min.voltage: - 45	Max.voltage: 220V: +25% (Optional +10%, +15%, +20%) 230V: +20% (Optional +10%, +15%) 240V: +15% (Optional +10%) Min.voltage: _45% (Optional + 20%)						
FREQUENC	Y								
Frequency ra	nae	40~70+	z (50/60Hz Auto-Sensing)						
			(
Output voltog	0	, ,	28/220/220/240/20						
Veltege regul	e	2	+ 10/						
vollage regul	auon		± 1%						
Power factor			0.9	- K D					
Output	Line mode	± 1%/ ± 2%/ ± 4%/ ± 5%	$1/\pm 10\%$ of the rated frequency (Op	Dtional)					
irequency	Bat. mode		(50/60±0.1%)Hz						
Crest factor			3:1						
Harmonic dist	tortion (THDv)		≤2% Linear load						
		3	5% Non linear load						
Transfer time	AC mode to Bat.mode		Oms						
0.44	Inverter to Bypass								
Output waver	orm	Load≤110% last 60min: ≤125% last 10min: ≤150% last 1min: >150% turn to bypass mode immediately							
Overload	Line mode	104 (Breaker)	, ≤ 150% last 111in, > 150% turn to	634 (Breaker)					
Efficiency	Bypass mode	(Dicakei)	up to 0.4%	USA (Breaker)					
			up to 94 %						
BATTERY		. 00/							
Battery voltag	Je	±96/3	$108/\pm 120$ Vdc (Settable)						
i ypical recha	rging time	0~810	rs (10 90% of full capacity)	11 N					
Charging curr	ent	Max.current ToA (Charging current cart be set according to battery capacity)							
INDICATORS	6								
LED display		Line mode, Bat.mode, ECO mode, E	Line mode, Barmode, EUO mode, Bypass mode, Battery low voltage, Overload & UPS fault						
LCD display		Input voltage, Input frequency, C Battery voltage, Inner te	utput voltage, Output frequency, Lo perature & Remaining battery bac	oad percentage, ckup time					
ALARM									
Battery mode		Be	ping every 4 seconds						
Battery low		B	eping every second						
Overload		Beeping twice every second							
Fault			ontinously beeping						
PHYSICAL									
Dimension W	'×D×H		40 × 625 × 86.5mm						
Net weight		16kg		18kg					
ENVIRONME	NT								
Operating ter	nperature		0℃~40℃						
Storage temp	berature		-25℃~55℃						
Humidity rand	je	20~95%RI	@ 0~40℃ (Non condensing)						
Altitude		<1500m, derating required when >1500m							
Noise level		<55dB at 1 Meter		<58dB at 1 Meter					
STANDARDS	3								
Safety	-		2040-1 IEC/EN 62477-1						
EMC		IEC/EN 62040-2/IEC 61000-4-2 IEC 61000-4-3 IEC 61000-4	4 IEC 61000-4-5 IEC 61000-4-6 IEC	61000-4-8 IEC.61000-4-11 IEC.61000-2-2)					
		, , , , , , , , , , , , , , ,	.,,,,,,,,.						

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

MP BR 6-10kVA battery pack specification

MODEL	MP BR20120N
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	$3 \sim 5$ years, depend on discharing cycle and ambient temperature
System voltage	±120Vdc
Battery quantity	1×20 PCS
Capacity	7Ah/9Ah (12V)
PHYSICAL	
Dimension W × D × H	440 × 680 × 131mm (3U)
Net weight	58kg/63kg
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: MP BR20120N "MP" means series; "BR" means Battery Rack; "20" means battery number inside the Rack; "120" means the battery system voltage; "N" means battery with neutral connection

MEMOPOWER- M Series

3:1 phase PF 0.9

Power range: 10kVA~20kVA



Features

- · Support parallel function (Optional)
- · Online double conversion with DSP control
- · Optimization battery group, the quantity of battery: 16/18/20pcs
- · Wide input voltage range: 208~478Vac
- · Wide input frequency range: 40~70Hz
- Maximum charging current up to 18A (Settable)
- · Support 3/1 and 1/1 operation
- · Generator compatible
- · ECO mode operation for energy saving
- · Design with maintenance switch
- · Cold start
- · Intelligent fan speed regulation
- · Self-testing when UPS startup
- · 50/60Hz frequency converter mode
- · Colorful 2.4 inch TFT LCD display is optional

- · Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- · Multiple communication interface: RS232/USB/EPO
- (Relay card/SNMP card/Parallel kit optional)









Parallel board

MODEL		MP31 10k H	MP31 10k S	MP31 15k H	MP31 15k S	MP31 20k H	MP31 20k S				
Capacity		10kVA/9kW 15kVA/13.5kW 20kVA/18kW									
INPUT											
Nominal voltag	e		380/400/415Vac (3PH+N+PE) 220/230/240Vac (L+N+PE)								
Operating volta	age range			208~478Vac	; 120~276Vac						
Operating frequ	uency range			40~70Hz (50/60	Hz Auto-Sensing)						
Bypass voltage	e 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 prot	tection range	50/60Hz±10%									
OUTPUT											
Output voltage				220/230/240	Vac (L+N+PE)						
Voltage regulat	tion			±	1%						
Power factor				().9						
Output	Line mode		± 1%/±	2%/±4%/±5%/±10%	of the rated frequency (Optional)					
frequency	Bat. mode			(50/60 ±	: 0.1%)Hz						
Transfer time	AC mode to Bat.mode			0	ms						
0. 4-1. 4	Inverter to Bypass			0	ms						
Output wavero	rm			Pure S	inewave						
Crest factor				< 20/ Li	noorlood						
Harmonic disto	ortion (THDv)	<2.6 Linear load ≤5% Non linear load									
AC mode		Load≤110%: last 60min turn to bypass; ≤125%: last 10min turn to bypass; ≤150%: last 1min turn to bypass; ≥150%: turn to bypass mode immediately									
Ovenidau	Bat.mode	Load≤110%: last 10min; ≤125%: last 1min; ≥125% shut down UPS immediately									
	Bypass mode	Breaker 2 × 32A Breaker 2 × 30A Breaker 2 × 03.					-2×63A				
EFFICIENCY											
Efficiency		up t	o 93.5%		up to 94%						
BATTERY											
Battery voltage	Standard unit	Chassis 1: ± 120Vdc (20pcs 9Ah) (20pcs 7Ah、2×20pcs 7/9Ah optional) ± 120Vdc (2×20pcs 9Ah) Chassis 2: ±96Vdc (16pcs 9Ah) or ± 120Vdc (20pcs 7/9Ah) optional									
	Long run unit		±96Vdc~±120Vdc (20pcs output power fa	16~20pcs, 16pcs defa ctor 0.9, 18pcs output p	ult, standard unit and 20 power factor 0.8; 16pcs	pcs no power derating; output power factor 0.7))				
Charging curre	ent	14A (Max.)	1.35A (2.7A optional) Char	16A (Max.) raing current can be se	2.7A t according to battery ca	18A (Max.)	2.7A				
PHYSICAL				5 5	5 ,						
		Chassis 1.2	50 x 900 x 868mm								
Dimension W×D×H	Standard unit	Chassis 2: 2	50 × 645 × 715mm	250 × 900 × 868mm							
	Long run unit			220×53	31 × 450mm						
Net weight	Standard unit	Chassis 1: 1 Chassis 2: 8	14kg (20pcs 9Ah) 37kg (20pcs 9Ah)	167kg (23	<20pcs 9Ah)	171kg (2×20pcs 9Ah)					
Ŭ	Long run unit		22kg	2	4kg	28kg					
ENVIRONMEN	ITAL										
Operating temp	perature			3 °0	~40°C						
Storage tempe	erature			- 25°	℃~55℃						
Humidity range	9			0~95% (No	n condensing)						
Altitude				< 1500m, derating re	equired when > 1500m						
Noise level			< 55dB a	at 1 Meter		<58dB ;	at 1 Meter				
STANDARDS											
Safety				IEC/EN 62040-1	, IEC/EN 62477-1						
EMC		IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)									

Specifications are subject to change without prior notice
 Data above are typical values for reference only, not as a basis for engineering design

MP BT 10-20kVA battery pack specification

MODEL	MP31 BT40120N		
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	$3\sim5$ years, depend on discharing cycle and ambient temperature		
System voltage	±120Vdc		
Battery quantity	2×20 PCS		
Capacity	7Ah/9Ah (12V)		
PHYSICAL			
Dimension W × D × H	250×619×616mm (With wheel)		
Net weight	122kg/134kg		
ENVIRONMENT			
Safety	CE		
Operating environment	0℃~40℃		
Relative humidity	0~95% (Non condensing)		
Noise level	<40dB at 1 Meter		

Specifications are subject to change without prior notice. Remark: MP31 BT40120N "MP31" means series; "BT" means Battery Tower cabinet; "40" means battery number inside the cabinet; "120" means the battery system voltage; "N" means battery with neutral connection.

MODEL	YDC3320 BT80120N		
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	$3\!\sim\!5$ years, depend on discharing cycle and ambient temperature		
System voltage	±120Vdc		
Battery quantity	4×20 PCS		
Capacity	7Ah/9Ah (12V)		
PHYSICAL			
Dimension W × D × H	250 × 900 × 868mm (With wheel)		
Net weight	244kg/265kg		
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: YDC3320 BT80120N "YDC3320" means series; "BT" means Battery Tower cabinet; "80" means battery number inside the cabinet; "120" means the battery system voltage; "N" means battery with neutral connection

MEMOPOWER Pro-III Series

3:1 phase PF 1.0 (PF 0.9 optional)

Power range: 10kVA~20kVA



- \cdot N+X parallel redundancy, support maximum 4 units in parallel
- · Online double conversion with DSP control
- Optimization battery group, the quantity of battery: 16/18/20pcs (32~40pcs supportable)
- · Wide input voltage range: 208~478Vac
- · Wide input frequency range: 40Hz~70Hz
- Input current harmonic: <3%
- · Dual input source (Optional)
- Maximum charging current up to 18A (Settable)
- · Support 3/1 and 1/1 operation
- · Generator compatible
- \cdot ECO mode operation for energy saving
- · Design with maintenance switch
- · Cold start
- · Intelligent fan speed regulation
- \cdot Self-testing when UPS startup
- \cdot 50/60Hz frequency converter mode

- Colorful 2.4 inch TFT LCD display and 7 inch LCD display LCD are optional
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Multiple communication interface: RS232/RS485/USB/EPO
 /Dry contact port (Relay card/SNMP card/Parallel cable/Battery temperature sensor optional)



MODEL		MP31 Pro 10k H MP31 Pro 10k S		MP31 Pro 15k H	MP31 Pro 15k S	MP31 Pro 20k H	MP31 Pro 20k S
Capacity		10kVA/10kW		15kVA	/15kW	20kVA	/20kW
INPUT							
Nominal voltag	je			380/400/415Va 220/230/240V	ic (3PH+N+PE) 'ac (L+N+PE)		
Operating volta	age range			208~478Vac;	120~276Vac		
Operating freq	uency range			40~70Hz (50/60H	Iz Auto-Sensing)		
Power factor				≥0.	.99		
Harmonic disto	ortion (THDi)	≤ 3% Linear load					
Bypass voltage range		Max.voltage: 220V: + 25% (Optional + 10%, + 15%, + 20%) 230V: + 20% (Optional + 10%, + 15%) 240V: + 15% (Optional + 10%) Min.voltage: - 45% (Optional - 10%, - 20%, - 30%)					
FREQUENCY							
Frequency pro	tection range			50/60Hz	z±10%		
	-						
Output voltage				220/230/240\/	(ac (L+N+PE)		
Voltage regula	tion			+ 1	1%		
Power factor	luon			- 1	0		
	Lino modo		+ 1%/+1	 2%/±4%/±5%/±10% c	o of the rated frequency ((Ontional)	
Output frequency	Line mode		- 1707 - 7	(50/60±) 1%)Hz		
n equeriey	AC made to Det made			(00,000 - (0n	ne		
Transfer time	AC mode to Ballmode			0n On	ne		
Output wavafa	Inverter to Bypass			Duro Sir	13		
	1111			Pule Sil	1 IEWAVE		
Crest factor				0.			
Harmonic disto	ortion (THDv)			≤2% Linear load ≤5% Non linear load			
	AC mode	Load≤110%: last 60min turn to bypass; ≤125%: last 10min_turn to bypass; ≤150%: last 1min_turn to bypass; ≥150% turn to bypass mode immediately					
Overload	Bat.mode	Load≤110%: last 10min; ≤125%: last 1min; ≤150%: last 5s; ≥150%: shut down UPS immediately					ely
	Bypass mode	Break	(er 2 × 32A	Breaker	2×50A	Breaker	2×63A
EFFICIENCY							
Efficiency		up te	o 93.5%		up to 9	4.5%	
BATTERY							
D-#	Standard unit	Chassis 1: ± 12 (20pcs 7Ah、2×2 Chassis 2: ±9	20Vdc (20pcs 9Ah) 20pcs 7/9Ah optional) 6Vdc (16pcs 9Ah)		± 120Vdc (2 (2x20pcs 7/	× 20pcs 9Ah) Ah optional)	
Battery voltage	Long run unit	±96Vdc~±120Vdc (16~20pcs, 16pcs default, Standard unit and 20pcs no power derating; 18pcs output power factor 0.9; 16pcs output power factor 0.8)					
			± 192/2	204/216/228/240Vdc (32	2/34/36/38/40pcs suppo	ortable)	
Charging curre	ent	14A (Max.)	1.35A (2.7A optional)	16A (Max.)	2.7A	18A (Max.)	2.7A
			Chan	ging current can be set a	according to battery cap	Dacity	
THOUAL		Chassis 1.25	0 × 900 × 868mm				
Dimension	Standard unit	Chassis 2: 25	0×645×715mm	250 × 900 × 868mm			
W×D×H	Long run unit			250 x 580 x 655mm			
		Chassis 1: 125kg (20pcs 9Ah)					
Net weight	Standard unit	Chassis 2: 7	8kg (16pcs 9Ah) 33ka	180kg (2 × 20pcs 9Ah)		181kg (2 × 20pcs 9Ah)	
Eong fur drift			Jong	07	Ng	00	лу
Operating tem	NIAL			0°C ~	40°C		
Storage tompo	perutare			- 25°C	~55°C		
Storage temperature		$-200 \sim 000$					
Attitude	3			0~90% (NON < 1500m, dorating roc	curiced when > 1500m		
Altitude				< rootin, derating rec	quireu when > 1500M		
NOISE IEVEI			<55dB at	1 Meter		<58dB a	at 'i Meter
STANDARDS							
Safety				IEC/EN 62040-1,	IEC/EN 62477-1		
EMC		IEC/EN 62040-2 (IEC	61000-4-2, IEC 61000-4-3	3, IEC 61000-4-4, IEC 6100	00-4-5, IEC 61000-4-6, IE	C 61000-4-8, IEC 61000-	-4-11, IEC 61000-2-2)

Specifications are subject to change without prior notice
 Data above are typical values for reference only, not as a basis for engineering design

MP BT 10-20kVA battery pack specification

MODEL	MP31 BT40120N		
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	7Ah/9Ah (12V)		
PHYSICAL			
Dimension W × D × H	250×619×616mm (With wheel)		
Net weight	122kg/134kg		
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. Remark: MP31 BT40120N "MP31" means series; "BT" means Battery Tower cabinet; "40" means battery number inside the cabinet; "120" means the battery system voltage; "N" means battery with neutral connection.

MODEL	YDC3320 BT80120N
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	$3{\sim}5$ years, depend on discharing cycle and ambient temperature
System voltage	±120Vdc
Battery quantity	4×20 PCS
Capacity	7Ah/9Ah (12V)
PHYSICAL	
Dimension W × D × H	250 × 900 × 868mm (With wheel)
Net weight	244kg/265kg
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: YDC3320 BT80120N "YDC3320" means series; "BT" means Battery Tower cabinet; "80" means battery number inside the cabinet; "120" means the battery system voltage; "N" means battery with neutral connection

MEMOPOWER RT-III Series

3:1 phase PF 1.0 (PF 0.9 optional)

Power range: 6kVA ~ 10kVA



- · LCD supports Rack/Tower convertible design
- \cdot N+X parallel redundancy, support maximum 4 units in parallel
- \cdot Online double conversion with DSP control
- Input current harmonic: <3%
- Optimization battery group, the quantity of battery: 16/18/20pcs (32~40pcs supportable)
- · Wide input voltage range: 208~478Vac
- · Wide input frequency range: 40~70Hz
- · Dual input source
- · Support 3/1 and 1/1 operation
- \cdot Generator compatible
- \cdot ECO mode operation for energy saving
- · Cold start
- \cdot Intelligent fan speed regulation
- \cdot Self-testing when UPS startup
- \cdot 50/60Hz frequency converter mode

- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Multiple communication interface:
 RS232/RS485/EPO/Output port/Maintain-AUXSWS port
 (Relay card/SNMP card/BMS optional)
- \cdot PDU with maintenance bypass switch (Optional)



SNMP

Relay card

MODEL		MP31 RT 6k	MP31 RT 10k		
Capacity		6kVA/6kW	10kVA/10kW		
INPUT					
Nominal voltage		380/400/415Vac (3PH+N+PE) 220/230/240Vac (1+N+PE)			
Operating volt	age range	208~	478Vac; 120~270Vac		
Operating free	quency range	40~70⊢	z (50/60Hz Auto-Sensing)		
Power factor		≥0.99			
Harmonic dist	ortion (THDi)	≤3% Linear load			
Bypass voltage range		Max.voltage: 220V: + 25% (Optional + 10%, + 15%, + 20%) 230V: + 20% (Optional + 10%, + 15%) 240V: + 15% (Optional + 10%) Min voltage: - 45% (Optional - 10% - 20% - 30%)			
FREQUENCY	(
Frequency pro	otection range	50/60Hz + 10%			
	i i i i i i i i i i i i i i i i i i i				
Output valtage	-	220/	20/240\/20 (L+N+PE)		
Voltogo rogula	etion	22012	= 10/		
Power feeter	auon		10		
	Line mode	+ 1%/+ 2%/+ 4%/+ 5%	1.0 / + 10% of the rated frequency (Ontional)		
Output frequency	Line mode		(50/60 + 0.1%)Hz		
in oquonioy	AC made to Det made				
Transfer time	Inverter to Bypass	oms			
Output wavefe	orm	Pure Sinewave			
Crest factor		3:1			
Harmonic dist	ortion (THDv)	≤2% Linear load ≤5% Non linear load			
	AC mode	Load≤110%: last 60min; ≤125%: last 10min; ≤150%: last 1min; ≥150%: turn to bypass mode immediately			
Overload	Bat.mode	Load≤110%: last 10min: ≤125%: last 1min: ≤150%: last 5s: ≥150%: shut down UPS immediately			
	Bypass mode	Breaker (Load < 125%, long-term operation)			
FEEICIENCY					
Efficiency			up to 02 5%		
			up to 55.5 %		
BATTERY					
Battery voltage		± 96/± 108/± 120Vdc (16/18/20pcs optional); (16pcs default, 20pcs no power derating; 18pcs output power factor 0.9; 16pcs output power factor 0.8;)			
		± 192/204/216/228/24	0Vdc (32/34/36/38/40pcs supportable)		
Charging curr	ent	12A (Max.)	14A (Max.)		
PHYSICAL					
Dimension W × D × H		443	× 580 × 131mm (3U)		
Net weight		27kg	28kg		
ENVIRONMENTAL					
Operating temperature		0°C ~ 40°C			
Storage temperature		- 25°C ~ 55°C			
Humidity range		0~95% (Non condensing)			
Altitude		< 1500m. derating required when > 1500m			
Noise level		<53dB at 1 Meter	< 55dB at 1 Meter		
STANDARDS					
Safety			2040-1 JEC/EN 62477-1		
EMC					
LIVIO		1001000 4 2,1001000 4 2,1001000 4 3,1001000 4 3,1001000 4 2	, iEO 1000 + 0, iEO 1000 + 0, iEO 1000 4 0, iEO 1000 4 TT, iEO 1000 Z=Z)		

Specifications are subject to change without prior notice.
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MP 31 BR 6-10kVA battery pack specification

MODEL	MP31 BR20120N
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	$3\!\sim\!5$ years, depend on discharing cycle and ambient temperature
System voltage	±120Vdc
Battery quantity	1×20 PCS
Capacity	7Ah/9Ah (12V)
PHYSICAL	
Dimension W × D × H	443×720×131mm (3U)
Net weight	58kg/63kg
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. Remark: MP31 BR20120N "MP" means series; "BR" means Battery Rack; "20" means battery number inside the Rack; "120" means the battery system voltage; "N" means battery with neutral connection.

MODEL	MP31 BR40120N		
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	$3\!\sim\!5$ years, depend on discharing cycle and ambient temperature		
System voltage	±120Vdc		
Battery quantity	2×20 PCS		
Capacity	7Ah/9Ah (12V)		
PHYSICAL			
Dimension W × D × H	482×861.5×175mm (4U)		
Net weight	138kg/154kg		
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: MP31 BR40120N "MP" means series; "BR" means Battery Rack; "40" means battery number inside the Rack; "120" means the battery system voltage; "N" means battery with neutral connection

HEADQUARTERS

Add: 4/F, No.1 Bidg.Software Park, Keji C. Rd. 2nd, Hi-Tech Industrial Zone, Shenzhen 518057, P.R.China

FACTORIES ADDRESS





CONTACT Tel: +86-755-86169858 Fax: +86-755-86168482 E-mail: sales@kstar.com

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