

# SATURN RACKMOUNT 6KVA | 10KVA



- High power density
- LCD supports Rack/Tower convertible design
- N+X parallel redundancy, supports maximum 4 units in parallel
- Online double conversion with full digital control
- Optimization battery group,20 batteries
- 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 interfaces: RS232/USB/EPO (Relay card /SNMP card optional)
- Parallel kit default
- Maximum charging current up to 10A
- Cold start
- Intelligent fan speed regulation
- Multiple protection functions



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HIGH FREQUENCY, TRANSFORMER LESS TECHNOLOGY



## TECHNICAL SPECIFICATIONS

MODEL	SAT0611-RM	SAT1011-RM
Capacity	6KVA / 5400W	10KVA / 9000W
<b>INPUT</b>		
Nominal Voltage	208/220/230/240Vac	
Input Voltage Range	110 ~ 286VAC	
Power Factor	≥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%)	
<b>FREQUENCY</b>		
Frequency Range	40~70Hz (50/60Hz Auto-Sensing)	
<b>OUTPUT</b>		
Output Voltage	208/220/230/240VAC	
Voltage Regulation	±1%	
Power Factor	0.9	
Output Frequency	Line mode	±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)
	Battery mode	(50/60±0.1%)Hz
Crest Factor	3:1	
Harmonic Distortion (THDv)	≤2% Linear load ≤5% Non-linear load	
Transfer Time	AC mode to Battery mode	0ms
	Inverter to Bypass	0ms
Output Waveform	Pure Sinewave	
Overload	Line mode	Load≤110% last 60min; ≤125% last 10min; ≤150% last 1min; > 150% turn to bypass mode immediately
	Bypass mode	40A (Breaker) 63A (Breaker)
Efficiency	Up to 93.5%	
<b>BATTERY</b>		
Battery Voltage	192/240Vdc (Settable)	
Typical Recharge Time	6~8 hours (To 90% of full capacity)	
Charging Current	Max.current 10A (Charging current can be set according to battery capacity)	
<b>INDICATORS</b>		
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	
<b>ALARM</b>		
Battery Mode	Beeping every 4 seconds	
Low Battery	Beeping every second	
Overload	Beeping twice every second	
Fault	Continuous beeping	
<b>PHYSICAL</b>		
Dimension WxDxH (mm)	440 x 625 x 86.5mm (2U)	
Net Weight (kg's)	16kg	18kg
<b>ENVIRONMENT</b>		
Operating Temperature	0°C~40°C	
Storage Temperature	-25°C~55°C	
Humidity Range	20~95%RH @ 0~40°C (Non condensing)	
Altitude	<1500m, de-rating required when >1500m	
Net Weight (kg's)	<55dB at 1 Meter	<58dB at 1 Meter
<b>STANDARDS</b>		
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)	

### SUITABLE APPLICATIONS

COMMERCIAL | IT APPLICATIONS | NON-INDUCTIVE LOADS

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## BATTERY PACK SPECIFICATIONS

### MODEL

BC MP06-10KVA RM NB

### BATTERY SYSTEM

Battery Type	VRLA (Lead acid maintenance free battery)
Typical Battery Recharge Time	6~8 hours (To 90% of full capacity)
Typical Battery Life	3~5 years, depending on discharging cycle and ambient temperature
System Voltage	192/240Vdc
Battery Quantity	16/20 PCS
Capacity	7Ah/9Ah (12V)

### PHYSICAL

Dimension W x D x H	440×680×131mm (3U)
Net Weight	58kg/63kg

### ENVIRONMENT

Safety	CE
Operating Environment	0°C~40°C
Relative Humidity	0~95% (Non condensing)
Safety	<40dB at 1 Meter