



Dynamic RT

6-10 KVA

Features

- Online-Double conversion
- Non Transfer Time of output
- PFC technology
- Full digital control (DSP)
- Output power factor: 0.9
- Input current harmonic: 3%
- ECO function
- Charging/Rectifier/Inverter fully digital control technology
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- Wide input voltage range: 120~276Vac
- Wide input frequency range: 45~55Hz/54~66Hz \pm 0.5Hz
- Self-testing when UPS startup
- Input over/under-voltage protection
- Automatic bypass
- DC start
- Communication port: RS232, USB
- Options: SNMP card / Relay card



The LCD panel can be rotated



Battery Cabinets
(Optional)



Control Panel



Dynamic RT 6,10 KVA Specification

Model		SDCRT-6K / SDCRTH - 6		SDCRT-10K / SDCRTH-10K	
Capacity (VA/WATT)		6K / 5.4k		10K / 9k	
Input					
Nominal Input Voltage		220/230/240 Vac			
Input Voltage range		120~276 Vac			
Input Frequency range		45~55Hz/54~66Hz ±0.5Hz			
Input Power factor		≥0.99			
Bypass					
Bypass Voltage		Max.voltage:220V:+25%(optional +10%,+15%,+20%)			
		230V:+20%(optional +10%,+15%)			
		240V:+15%(optional +10%)			
		Min.voltage:-45%(optional -20%,-30%)			
Bypass Frequency range		50Hz/60Hz ±10%			
Transfer time		1. 0ms (Mains ↔ Battery) 2. 0ms (Mains ↔ Bypass)			
Output					
Output Voltage		220/230/240 Vac			
Voltage regulation		±1%			
Output Frequency Utility Mode		±1%/±2%/±4%/±5%/±10% of the rated frequency (optional)			
Output Frequency Battery Mode		50/60(±0.1)Hz			
Crest Factor		3:1			
Waveform		Pure Sine Wave			
Harmonic distortion (THDv)		<2% (with linear load), <5% (with non-linear load)			
Efficiency		>93.5%			
Output Power Factor		0.9			
Battery					
Battery DC Voltage		±96/108/120Vdc (optional)			
Battery Type		Sealed Lead Acid			
Battery number		12V/7Ah/9Ah x 20			
Backup time		10-15 Min Depend on Load			
Charge current		Maximum current 6 A; charge current can be set according to battery capacity installed.			
Typical recharge time		6~8 hours (to 90% of full capacity)			
System Features					
LCD indicators		Input Voltage , Input Frequency,Output Voltage,Output Frequency,Load Percentage,Battery Voltage, Inner Temperature&Remaining Battery Backup Time			
Overload capacity	Line Mode	Loads≤110%:last 60min,≤125%:last 10min,≤150%:last 1min,>150% turn to bypass mode immediately			
	Bypass Mode	40A(Breaker)		60A(Breaker)	
Short circuit		Hold Whole System			
Overheat		Line Mode: Turn to Bypass;Backup Mode :Shut down UPS immediately			
Audible Alarm		Line Failure, Battery Low,Overload,System fault			
Communication interface		RS232,USB,SNMP card(optional),Parallel card (optional),Relay card (optional)			
Physical					
Dimension (WxHxD)mm.		443x131x580 (3U)			
Net Weight (KGs)		62		64	
Environmental					
Operation temperature		0~40 °C			
Humidity Range		0~95% (non-condensing)			
Noise level		<55dB			
Standards					
Safety		IEC/EN62040-1,IEC/EN60950-1			
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,			
		IEC61000-4-5,IEC61000-4-6,IEC61000-4-8			
Design		IEC/EN 62040-3			