



Dynamic

6-10 KVA

Features

- N+X parallel redundancy
- Online double conversion with DSP control
- Input current harmonic: <3%
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- High output power factor at 0.9PF
- Wide input voltage range: 120~276Vac
- Wide input frequency range(50Hz: 45~55Hz / 60Hz: 54~66Hz)
- Support generator input
- Support economic(ECO) operation mode
- Self-testing when UPS startup
- Options: SNMP card/Relay card/ Parallel card
- Cold start



Rear Panel



Relay card



SNMP



Parallel module

SINGLE PHASE UPS

Dynamic 6-10KVA Specification

Model		SDC-6K /SDCH- 6K		SDC-10K / SDCH-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		50Hz:45~55Hz;60Hz:54~66Hz(auto sensing)			
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		1A(Standard unit);Long run unit Max.current 10 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			
Status LED & LCD display		Line Mode,Back up Mode,ECO Mode,Bypass Mode, Battery Low,Battery Bad,Overload & UPS Fault			
Overload capacity	Line Mode	Load≤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 (DxWxH)mm.		502x250x616			
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			