



Introduction:

SF33 10-150kVA uses frame design, with 10/15/20/25/30kVA modules, suitable for standard 19 inches network cabinet. It adopts online double conversion technology, which can completely eliminate all kinds of grid problems and provide customers with stable and pure sinusoidal power supply protection.



7 inch LCD front panel

Features:

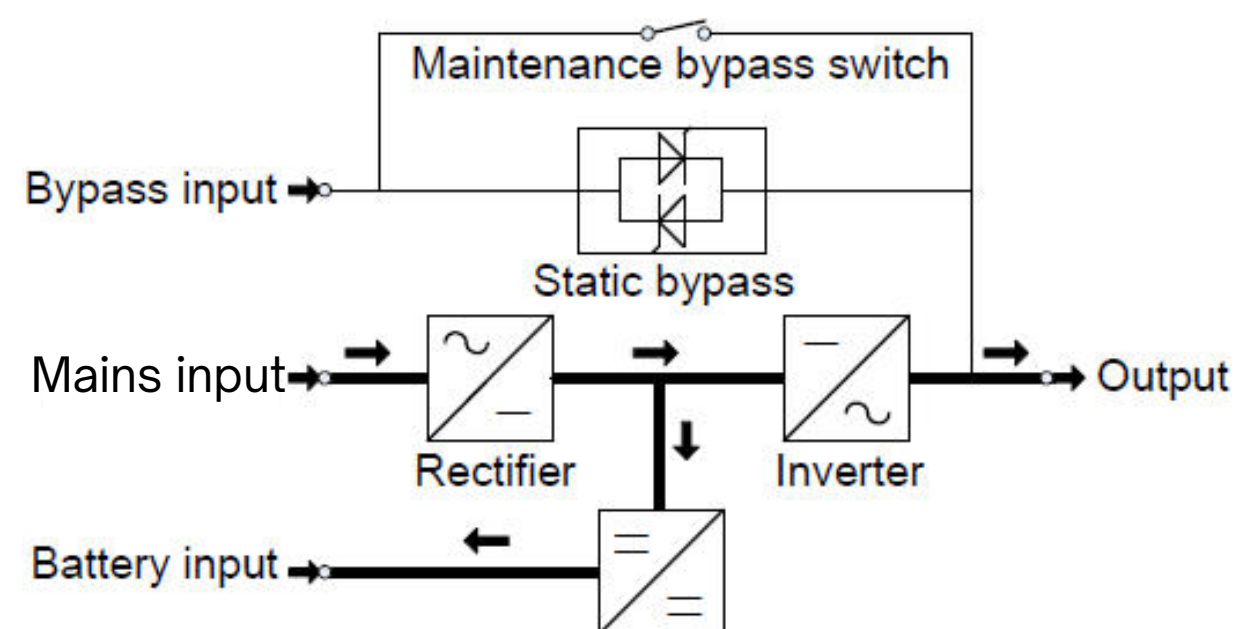
- Frame mounted design
- Wide input voltage range
- Online double conversion and three level technology
- DSP digital control technology
- Output power factor 1
- N+X redundancy
- Communications: RS485/Dry contact card/SNMP option
- The number of battery cells is 30-50 adjustable



Web Monitoring

Benifits:

- Wide input voltage range adapt to harsh power grid
- DSP technology greatly improve the system reliability
- 7-inch color touch screen, graphic display, easy to operate
- Intelligent battery management extend battery life



UPS in Normal operation



Model		SF33040220 SF33080420 SF33120620	SF33150625	
Capacity	Frame	10~120kVA	25~150kVA	
	Module	10/15/20kVA	25/30kVA	
Max. Module Number		2/4/6	6	
Input	Phase	3 Phase 4 Wires and Ground		
	Rated Voltage	380/400/415Vac		
	Voltage Range	138~485Vac		
	Frequency Range	40Hz-70Hz		
	Power Factor	≥0.99		
	Current THDi	≤3%(100% linear load) ; ≤5%(100% non-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 -20%、 -30%)		
		Frequency protection range: ±10%		
Generator access	Yes			
Output	Phase	3 Phase 4 Wires and Ground		
	Rated Voltage	380/400/415Vac		
	Power Factor	1		
	Voltage Regulation	±1%		
	Frequency	Utility Mode	±1%,±2%,±4%,±5%,±10% of the rated frequency(optional)	
		Battery Mode	(50/60±0.1%)Hz	
	Crest Factor	3:1		
	THD	≤2% with linear load; ≤4% with non linear load		
	Efficiency	95.50%		
	Overload	≤ 110%: to bypass after 60 min, ≤ 125%: to bypass after 10 min, ≤ 150%: to bypass after 1 min		
Battery	Voltage	±180V/±192V/±204V/±216V/±228V/±240/±252/±264/±276/±288/±300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs optional)		
	Charging Current	UPS Cabinet	2 layer cabinet:20A Max. / 4 layer cabinet:40A Max. 6 layer cabinet:60A Max.	
		UPS Module	5A Max.	10A Max.
Transfer Time		Utility to Battery : 0ms; Utility to bypass: 0ms		
Protection	Alarm	overload, utility abnormal, UPS fault, battery low, etc		
	Protection	short circuit, overload, over temperature, battery low, fan fault alarm		
Communication Interface		USB, CAN, RS485, FE, Parallel card, Dry contact card, SNMP card(optional), LBS(optional),temperature sensor (optional)		
Environment	Operating Temperature	0°C~40°C		
	Storage Temperature	-25°C~55°C (no battery)		
	Humidity	0~95% (non condensing)		
	Altitude	< 1500m		
	Noise level	<70dB		
Other	Unit Dimensions(D*W*H) mm	Frame	2 layer:750*485*650/ 4 layer:750*485*827 / 6 layer:850*485*1005	
		Module	620x440x86	
	Net Weight (kg)	Frame	63/75/87	
		Module	10/15/20K:19 25/30K:21.6	
Standards		EN62040-1, EN62040-2, EN62040-3		