

Introduction:

SM33 10-160kVA 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. Innovative design makes these products have unparalleled reliability and high performance. The high input power factor and low input current harmonics ensure the UPS green and environmental protection, and high efficiency ensures the energy saving. It includes 10-160kVA models with internal battery.

Features:

- Wide input voltage range
- Online double conversion technology
- DSP digital control technology
- Output power factor 0.9 or 1
- N+X redundancy
- Communications: RS485/Dry contact card option/SNMP option

Benifits:

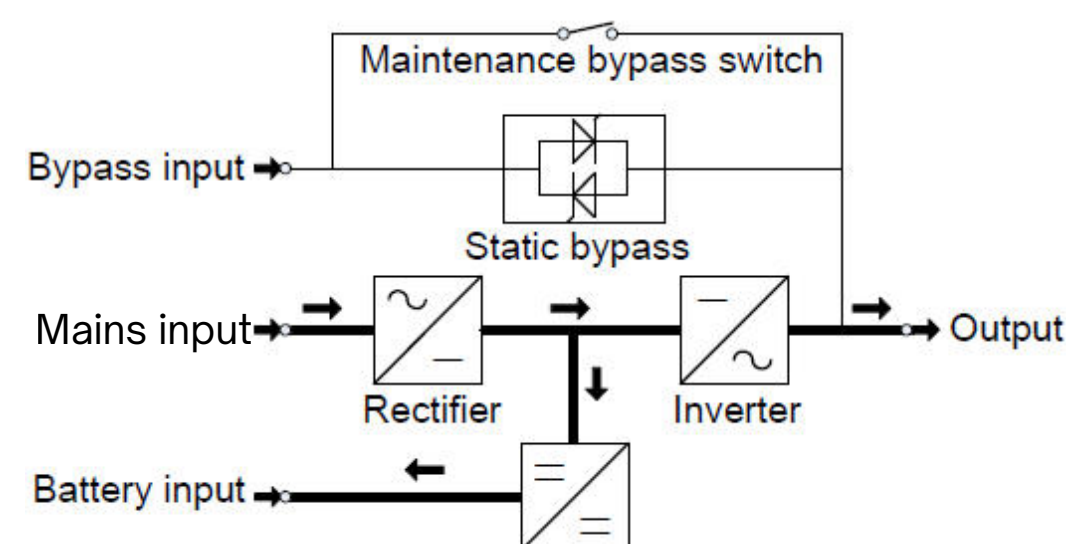
- Wide input voltage range adapt to harsh power grid
- DSP technology greatly improve the system reliability
- Friendly man-machine interface, easy to operate
- Intelligent battery management extend battery life



7 inch LCD front panel



Web Monitoring



UPS in Normal operation

Model	ST33010I40 ST33010I80	ST33015I40 ST33015I80	ST33020I40 ST33020I80	ST33030I40 ST33030I80	ST33040I40 ST33040I80	ST33060I80	ST33080I80	ST33100I120	ST33120I120	ST33160I120	
Capacity	10kVA	15kVA	20kVA	30kVA	40kVA	60kVA	80kVA	100kVA	120kVA	160kVA	
Input	Phase	3 Phase 4 Wires and Ground									
	Rated Voltage	380/400/415Vac									
	Operating voltage range	138~485Vac									
	Operating frequency range	40Hz-70Hz									
	Power factor	≥0.99									
	Harmonic distortion (THDi)	≤3% (100% linear load); ≤5% (100% non-linear load)									
	Bypass voltage range	Max.voltage: 220Vac +25%(optional +10%,+15%,+20%); 230Vac: +20%(optional +10%,+15%); 240Vac: +15%(optional +10%)									
		Min. voltage:-45 %(optional -10%, -20%,-30%)									
	Generator input	Support									
Output	Phase	3 Phase 4 Wires and Ground									
	Output voltage	380/400/415Vac									
	Power factor	0.9 or 1									
	Voltage regulation	±1%									
	Output frequency	Utility Mode: ±1%/±2%/±4%/±5%±10% optional; Battery Mode:(50/60±0.1%)Hz									
	Crest factor	3:1									
	THD	≤2% with linear load; ≤4% with non linear load									
	Efficiency	95%									
	Overload	Load≤110%, last 60min; ≤125%, last 10min; ≤150%, last 1min; >150% change to bypass									
Battery	Quantity (10-40K S)	Max 40pcs internal 7ah/9ah space				Max 120pcs internal 7ah//9ah space					
	Quantity(10-40K S-B 60K S)	Max 80pcs internal 7ah/9ah space									
	Charge Current	5A Max.		10A Max.	15A Max.	20A Max.	30A Max.	45A Max.			
Transfer Time	Utility to Battery : 0ms; Utility to bypass: 0ms										
Environment	Operating temperature	0°C ~ 40°C									
	Storage temperature	-25°C ~ 55°C(no battery)									
	Humidity range	0 ~ 95% (non condensing)									
	Altitude	< 1500m									
	Noise level	<55dB		<58dB		<65dB		<68dB			
Protection	Alarm	overload, utility abnormal, UPS fault, battery low, etc									
	Protection	short circuit, overload, over temperature, battery low, fan fault alarm									
	Communication	USB, CAN, RS485, FE, Parallel card, Dry contact card(optional), SNMP card(optional), LBS(60-160kVA optional),temperature sensor (optional)									
Physical	Dimensions D*W*H(mm) S	790*280*720				945*400*985		850*600*1550			
	Dimensions D*W*H(mm) S-B	945*400*985				/		/			
	Net Weight S/S-B(kg) no batt	53.5/97.5	54/98	54.5/98.5	55.5/101	60.5/106	117	269	280	281	315
Standards	EN62040-1, EN62040-2, EN62040-3										