



KEY FEATURES:

- IGBT Inverter with Inverter Isolation Transformer
- Output PF @0.9 for more power delivery
- Wide Input Voltage range $\pm 20\%$
- Smaller Foot print $\sim 20\%$ less than others
- Adjustable Battery 28 to 32 batteries
- Touch graphic LCD display with MIMIC for easy operation and monitoring
- ECO mode operation for energy saving
- Front opening for easy service access (80 kVA to 120 kVA)
- Generator Compatible
- Suitable for Industrial Loads

AVAILABLE OPTIONS:

- Alencloud App - IoT kit
- Parallel Redundancy Function (x 6 units)

MODEL	SX-020	SX-030	SX-040	SX-060	SX-080	SX-100	SX-120
Rated capacity	20kVA/18kW	30kVA/27kW	40kVA/36kW	60kVA/54kW	80kVA/72kW	100kVA/90kW	120kVA/108kW
INPUT							
Rated voltage	400 Vac						
Voltage range	±20%						
Rated Frequency	50 / 60 Hz						
Frequency range	50 / 60 Hz ± 5Hz						
Bypass voltage range	±20% (settable)						
Delayed start of Rectifier	1 ~ 300s (settable via display panel)						
ECO Voltage Range	±10% (settable)						
OUTPUT							
Rated voltage	380 / 400 / 415 Vac						
Voltage regulation	±1%						
Frequency	Synchronized with utility in mains mode; 50 / 60 Hz ±0.1% in battery mode						
Waveform	Sinusoidal						
Power Factor	0.9						
Crest factor	3:1						
Total Harmonic Distortion (THDv)	= 2% (linear load); = 5% (non-linear load)						
Transfer Time	0ms in AC mode to Battery mode; 0ms in Inverter mode to Bypass mode; 5 ~ 10ms in Inverter mode to ECO mode						
Inverter Overload capability	105% Continuous, 105 ~ 110% for 60 min 111% ~ 125% for 10 min, 126% ~ 150% for 1min, 151% ~ 200% for 200ms, >200% for 100ms						
BATTERIES							
DC Voltage	12V x configured battery number (settable via display panel)						
Number of battery	28 ~ 32 pcs (settable)						
Charging Current	10A default / settable						
Charging	Three-stage charging, auto switch floating / equalizing charge						
Battery Self Test	Settable periodic self-test; manually configurable test time and voltage						
SYSTEM							
Efficiency	Upto 93% in Online mode, ≥98% in ECO mode						
Max. no. of parallel connections	6						
Protections	Short-circuit, Over load, Over Temp, Low Battery, Over Voltage, Under Voltage & Fan Failure						
Communications	Standard configuration: RS232, RS 485, Dry contacts Optional configuration: SNMP						
IP rating	IP 20						
Display	5.7 inches LCD touch screen						
OTHERS							
Operating environment	0°C ~40°C						
Storage temp	-25°C ~55°C (without battery)						
Relative humidity	0% ~95% RH @ 0 ~ 40C (non-condensing)						
Noise level at 1m	55 dB			60dB		85dB	
Dimensions (WxDxH) (mm)	400 x 800 x 1100			600 x 700 x 1500		700 x 800 x 1700	
Weight (kg)	175	210	260	460	590	630	690