

ST3I Series

Single Phase In / Single Phase Out

▲ 6k-20kVA



(6k-10kVA)

Features :

- ◆ Output PF=1
- ◆ High efficiency up to 95%
- ◆ 3 level of inverter technology
- ◆ Compact design of high power density
- ◆ Parallel up to 4 units
- ◆ Intelligent charging management, effectively improving the life time of battery

MODEL	ST3I-1106XS	ST3I-1110XS	ST3I-1115L	ST3I-1120L
	ST3I-1106XL	ST3I-1110XL		
Capacity (kVA)	6kVA	10kVA	15kVA	20kVA
Input				
Phase	Single phase in, Single phase out			
Input Voltage	110VAC~288VAC			
	100% load@>176VAC ; 90% load@>160VAC ; 80% load@>140VAC ; 60% load@>110VAC		100% load@>176VAC ; 90% load@>154VAC ; 80% load@>132VAC ; 65% load@>110VAC	
Input Power Factor	≥ 0.99		0.98	
Input Frequency Range	40~70Hz			
Output				
Power Factor	1		0.9	
Output Voltage Waveform	Pure Sine Wave			
Output Nominal voltage	220/230/240VAC			
Output Voltage regulation	± 1 %			
THDv	≤ 2% THD, linear load		≤ 1% THD, linear load	
Output Frequency Synchronization range	±5Hz default, settable		±3Hz default, settable	
Transfer Time (Line mode to battery mode)	0ms			
Transfer Time (Inverter to bypass)	0ms			
Crest Ratio	3:1			
Overload Capability	110% : Transfer to bypass after 10 mins ; 125% : for 1 min ; 150%: for 30s (shut down the bypass after 1 min)		110%:Transfer to bypass after 10 mins ; 130%: for 1 min ; 150%: for 30s (shut down the bypass after 1 min)	
Efficiency				
Line mode with battery full charged	95.0%		93.5%	
ECO mode	98.0%		98.0%	
Battery				
Battery Voltage	192VDC		192/240VDC	
Battery Type / Number	12VDC/7Ah × 16	12VDC/9Ah × 16	External	External
	External	External		
Back-up Time	3mins at 5 kW	2mins at 8 kW	External	External
	External	External		
Max. Charging Current	1A	1A	5A	5A
Others				
Noise (1m away)	<56dB		< 60dB	
Display	LED+LCD			
Communication Interface	RS232 (Optional: SNMP, USB, Dry Contacts)			
Dimension W × D × H (mm)	190*426*705	190*485*705	250*562*650	250*562*710
	190*426*336	190*485*336		
Weight (KG)	56	60	27	34
	14	16		

* Specification is subject to change without prior notice.