

## ST3I Series

Single Phase In / Single Phase Out

▲ 1k-3kVA



### Features :

- ◆ On-line double conversion UPS with full DSP control technology
- ◆ Input PF  $\geq 0.97$ , wide range of input voltage
- ◆ Output PF of 0.9, more powerful load capability
- ◆ LCD/LED display to monitor operation status easily
- ◆ Intelligent fan speed control
- ◆ Optional in-built output transformer for different application

MODEL	ST3I-1101S	ST3I-1101L	ST3I-1102S	ST3I-1102L	ST3I-1103S	ST3I-1103L
Capacity (kVA)	1kVA		2kVA		3kVA	
<b>Input</b>						
Phase	Single phase in, Single phase out					
Input Voltage	110VAC~288VAC					
	100% load@>176VAC ; 80% load@>154VAC ; 70% load@>132VAC ; 50% load@>110VAC					
Input Power Factor	$\geq 0.97$					
Input Frequency Range	40~70Hz					
<b>Output</b>						
Power Factor	0.9					
Output Voltage Waveform (Bat. Mode)	Pure Sine Wave					
Output Nominal voltage	220/230/240VAC					
Output Voltage regulation	$\pm 1\%$					
THDv	$\leq 2\%$ THD, linear load					
Output Frequency Synchronization range	$\pm 5$ Hz default					
Transfer Time (Line mode to battery mode)	0					
Transfer Time (Inverter to bypass)	2ms					
Crest Ratio	3:1					
Overload Capability	105%~130%: Transfer to bypass after 1 mins.					
	150%: Transfer to bypass after 30s					
<b>Efficiency</b>						
Line mode with battery full charged	87%		88%		90%	
ECO mode	94.0%		97.0%		97.0%	
<b>Battery</b>						
Battery Voltage	36VDC		72VDC		96VDC	
Battery Type	12VDC/7Ah	External	12VDC/7Ah	External	12VDC/7Ah	External
Quantity	3		6		8	
Back-up Time	6mins @ 80% load		6mins @ 80% load		5.5mins@ 80% load	
Max. Charging Current	1A	8A	1A	8A	1A	8A
<b>Others</b>						
Noise (1m away)	< 47dB		< 50dB		< 50dB	
Display	LED+LCD					
Communication Interface	RS232 / SNMP ( Optional )					
Dimension W × D × H (mm)	144*353*222		190*375*336		190*427*336	
Weight (KG)	12	6	21	10.5	25.6	11.5

\* Specification is subject to change without prior notice.