



3 Phase Low frequency SCR Transformer Based UPS (10-200KVA)

System Introduction

ST5I Series is a full digitized DSP controlled online double conversion 3 Phase Industrial UPS. LF transformer isolated all interferences such as Mains Input Surge or Load impact from the UPS, which also greatly reduce the risk of the UPS and load. ST5I Series has power parallel redundancy feature with real 0.9 output PF. It also contains friendly and intuitive user Interface. It provides reliable, stable, and constant AC power for IT equipment, telecommunication critical devices.



System Features

High Performance Index

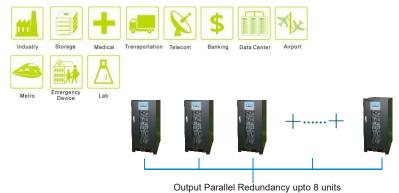
- ◆ Advanced SCR Rectifier Technology. With additional accessories, the input PF can be upto 0.99 and Input THDI <4.5%;
- ♦ 5th generation IGBT technology to adapt 380/400/415V, 50/60Hz Mains Grid Supply Systems;
- ♦ Output Power Factor 0.9 to carry 12.5% load capacities than traditional UPS;
- ◆ Wide Input Voltage Range 380Vac (-45% to +25%) with 50/60Hz ±5% Frequency Range; High adaptive capacity and Generator Capability
- ◆ Overall Efficiency upto 90%. Can reach to 98% on ECO Mode;
- ◆ Powerful overload ability with output short circuit protection technology: 110%-120% overloads for 10 minutes.125%-150% for 1 minute;
- ◆ Flexible Battery Configuration. It can be set on the front panel with 28-32 Units of Batteries. Common Battery Bank on Parallel mode.Battery Charging Compensation Feature.
- ♦ Intelligent Fault Diagnosis system with large storage memory of fault histories;
- ♦ Friendly and Intuitive User Interface. Large Color Touch LCD Screen with multi-functional buttons.

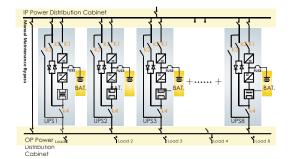
Safe and Reliable

- ♦ DSP technology to control UPS power function processes (including Parallel function) in order to increase system reliability;
- ◆ Flexible Single or Dual Utility Power Input to comprehensively protect load devices;
- ◆ Mis-Phase Connection Diagnosis, Evaluation and Alarm;
- ◆ 100% 3 Phase Unbalanced Allowed:
- ◆ Front Maintenance Design. MTBF can be upto 300K Hours;
- ♦ 90% of system components are from international famous brands. All devices will be aged and tested for more than 24 hours

Application Type

ST5I Series is designed for many different applications and compatible Loads, such as Data Center, Telecom, Network management center, financial center Security Trading Settlement Center, Banking. Large Theater, Stadium, traffic Administration Bureau, Road and Railroad Tunnel Lightning Control and Monitoring Center, Port Information Center. Semiconductor production line, automatic production line and related device.





Specification

Model	ST5I100L	ST5I150L	ST5I200L	ST5I300L	ST5I400L	ST51600L	ST5I800L	ST5I1000L	ST5I1200L	ST5I1600L	ST5I200
Capacity	10KVA 9KW	15KVA 13.5KW	20KVA 18KW	30KVA 27KW	40KVA 36KW	60KVA 54KW	80KVA 72KW	100KVA 90KW	120KVA 108KW	160KVA 144KW	200KV 180KV
			ne Specificat								
UPS Structure		Online Double	e Conversion								
Appearance		Low Frequency with Output Isolated Transformer									
	90%										
Overall Efficiency (AC-AC)											
Noise (In 2 Meters)	< 50-60dB										
Working Temp.	-10-40℃										
Storage Temp.	-25 ~ 60°C (Without Batteries)										
Humidity	< 95%, Non-Condensing										
National Standard	S00, NOTO-CONTROLLING EN50091-1/IEC950										
International Standard											
	EN 50091-1/2; EN62040-1; EN62040-2										
Parallel Redundancy		Available upto 8 units									
Protection		Overload, Short-Circuit, Over Temp., Utility Power Voltage High/low, BAT Voltage High/low									
ECO		Available									
EPO Function		Available									
DC Start		Available									
Generator Compatibility		Available									
		5-7 inch LCD	color touch scr	een + LED wo	rking indicators	including Inpu	t/Output Voltage	e, Frequency, C	urrent, Power,	Load Capacity,	Serial
Display		number, Ope	radonal Mode,	Discharge TIM	e, misiory Logs.	. All settings in	cidulity can be	uone on the fro	in paner, includ	ing battery volta	ge, iriput
		and output vo	ltage, frequenc	y, parallel setti	ng and etc.						
14.4-											
Mute		Auto									
Cabinet Standard		IP20									
Cooling System		Intelligent Spe	eed Control Co	oling Fan							
Elevation		<1500M, With		J							
Lievalion											
		Rectifier Sp									
Input Voltage		380Vac+N+W	/ (3 phase + P	E)							
Input Voltage Range		285-475Vac									
		45-65Hz									
nput Frequency Range											
Input PF		0.95 (with ir	nput filter)								
THDI		< 5% (with op	tional accessor	ries)							
Dual Input Availability		Available(Opt	ional accessori	es)							
Input Mis Phase Protection		Misphase Ala	rm, UPS will no	nt he started							
Input Phase lost Protection			larm, UPS worl		ode						
•				COII Dypass III	oue						
Soft-Start		> 20 Seconds									
Soft-Start Input Current	23A	> 20 Seconds 31A	39A	54A	70A	100A	125A	160A	192A	256A	320
			39A	54A	70A	100A	125A	160A	192A	256A	320
Input Current		31A Output Specif	39A ication				125A	160A	192A	256A	320
Input Current Output Voltage		31A Output Specif Line Voltage:	39A ication 380× (1±1%)		70A /oltage: 220× (125A	160A	192A	256A	320/
Input Current Output Voltage Output PF		31A Output Specif Line Voltage: 0.8/0.9 (No la	39A fication 380× (1±1%) g)	AC or Phase	/oltage: 220×(1±1%) AC				256A	320/
Input Current Output Voltage Output PF Output Voltage Regulation		31A Dutput Specif Line Voltage: 0.8/0.9 (No la 380Vac±1%	39A ication 380× (1±1%) g) (Static Load)	AC or Phase \ ; 380Vac±2%	/oltage: 220× ((50-0% Sudde	(1±1%) AC	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF		31A Dutput Specif Line Voltage: 0.8/0.9 (No la 380Vac±1%	39A ication 380× (1±1%) g) (Static Load)	AC or Phase \ ; 380Vac±2%	/oltage: 220× ((50-0% Sudde	(1±1%) AC	380Vac±3%(100-0% Sudder	n Change)	256A or under BAT M	
Input Current Output Voltage Output PF Output Voltage Regulation		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz:	39A ication 380× (1±1%) g) (Static Load)	AC or Phase \ ; 380Vac±2% racking input a	Voltage: 220× ((50-0% Sudde nd bypass freq.	(1±1%) AC	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD		31A Output Specifi Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: < 1% (Linear	39A ication 380× (1±1%) g) (Static Load) Conline Mode to Full Load)	AC or Phase \ ; 380Vac±2% racking input a < 3% (Non-Lii	Voltage: 220× ((50-0% Sudde nd bypass freq.	(1±1%) AC	380Vac±3%(100-0% Sudder	n Change)		
Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced		31A Dutput Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: < 1% (Linear Allow 3 Phase	39A ication 380× (1±1%) g) (Static Load) Conline Mode to Full Load), e 100% Unbala	AC or Phase V : 380Vac±2% racking input a < 3% (Non-Lin	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load)	(1±1%) AC	380Vac±3%(100-0% Sudder	n Change)		
Output Voltage Output Voltage Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced		31A Dutput Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: < 1% (Linear Allow 3 Phase ≤1°(Balancee	39A fication 380× (1±1%) g) (Static Load) c Online Mode t r Full Load), e 100% Unbala d Load); ≤2°(50	AC or Phase V : 380Vac±2% racking input a < 3% (Non-Lii nced 1% Balanced Lo	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load)	(1±1%) AC	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1°(Balancer ≤1°(Balancer	39A ication 380× (1±1%) g) (Static Load) Conline Mode to Full Load), e 100% Unbala	AC or Phase V : 380Vac±2% racking input a < 3% (Non-Lii nced 1% Balanced Lo	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load)	(1±1%) AC	380Vac±3%(100-0% Sudder	n Change)		
Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range		31A Sutput Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1°(Balanced ≤1°(Balanced 45-65Hz	39A rication 380× (1±1%) g) (Static Load) Online Mode t Full Load) = 100% Unbala d Load); ≤2°(50 d Load); ≤2°(50	AC or Phase V : 380Vac±2% racking input a < 3% (Non-Lii nced 1% Balanced Lo	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load)	(1±1%) AC	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1°(Balancer ≤1°(Balancer	39A rication 380× (1±1%) g) (Static Load) Online Mode t Full Load) = 100% Unbala d Load); ≤2°(50 d Load); ≤2°(50	AC or Phase V : 380Vac±2% racking input a < 3% (Non-Lii nced 1% Balanced Lo	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load)	(1±1%) AC	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1° (Balancee; ≤1° (Balancee; 45-65Hz Pure Sine Wa	39A ication 380× (1±1%) g) (Static Load) Conline Mode t Full Load) a 100% Unbala d Load); ≤2°(50 d Load); ≤2°(50 ave	AC or Phase \(\) : 380Vac±2% racking input a < 3% (Non-Lin ced) % Balanced Link Bala	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load)	n Change);	380Vac±3%(100-0% Sudder	n Change)		
Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1°(Balancee ≤1°(Balancee) ±0°(Balancee) Lossible Vascolius (Balancee) 25%: More	39A ication 380× (1±1%) g) (Static Load) Conline Mode t Full Load) a 100% Unbala d Load); ≤2°(50 d Load); ≤2°(50 ave	AC or Phase \(\) : 380Vac±2% racking input a < 3% (Non-Lin ced) % Balanced Link Bala	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad)	n Change);	380Vac±3%(100-0% Sudder	n Change)		
Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload Crest Ratio		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1°(Balance: ≤1°(Balance: 45-65Hz Pure Sine Wa >125%: More 3:1	39A ication 380× (1±1%) g) (Static Load) · Conline Mode t · Full Load) · e 100% Unbala d Load); ≤2°(50 d Load); ≤2°(50 ave	AC or Phase \(\): 380\Vac±2\(\): racking input a < 3\(\) (Non-Lii nced \(\)!% Balanced Le \(\): 8 Balanced Le \(\): 150\(\): More	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad) te than 60s trans	n Change);	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload Crest Ratio Short-Circuit		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phases <1"(Balancer <1"(Balancer 45-65Hz Pure Sine Wa >125%: More 3:1 Circuit Auto-P	39A ication 380x (1±1%) g) (Static Load) Online Mode t Full Load) 100 Unbala d Load); ≤2°(50 d Load); ≤2°(50 d toad); ≤2°(50	AC or Phase \(\); 380Vac±2% racking input a < 3% (Non-Linced)% Balanced Low Balanced Low Salanced Low Salan	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad) te than 60s trans	n Change);	380Vac±3%(100-0% Sudder	n Change)		
Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload Crest Ratio		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1°(Balancer 45-65Hz Pure Sine Wa >125%: More 3 ∶ 1 Circuit Auto-P INV. Output A	39A ication 380× (1±1%) g) (Static Load) (Online Mode t r Full Load), a 100% Unbala d Load); ≤2°(50 d Load); ≤2°(50 ave t than 10 mins;	AC or Phase \(\); 380Vac±2% racking input a < 3% (Non-Linced)% Balanced Low Balanced Low Salanced Low Salan	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad) te than 60s trans	n Change);	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload Crest Ratio Short-Circuit		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phases <1"(Balancer <1"(Balancer 45-65Hz Pure Sine Wa >125%: More 3:1 Circuit Auto-P	39A ication 380× (1±1%) g) (Static Load) (Online Mode t r Full Load), a 100% Unbala d Load); ≤2°(50 d Load); ≤2°(50 ave t than 10 mins;	AC or Phase \(\); 380Vac±2% racking input a < 3% (Non-Linced)% Balanced Low Balanced Low Salanced Low Salan	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad) te than 60s trans	n Change);	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload Crest Ratio Short-Circuit Output Abnormal		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1°(Balancet 45-65Hz Pure Sine Wa >125%: More 3 : 1 Circuit Auto-P INV. Output A Bypass Spe	39A ication 380× (1±1%) g) (Static Load) (Online Mode t r Full Load), a 100% Unbala d Load); ≤2°(50 d Load); ≤2°(50 ave t than 10 mins;	AC or Phase \(\); 380Vac±2% racking input a < 3% (Non-Linced)% Balanced Low Balanced Low Salanced Low Salan	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad) te than 60s trans	n Change);	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload Crest Ratio Short-Circuit Output Abnormal Static Bypass Transfer Time		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1°(Balancee ≤1°(Balancee √1°(Balancee √125%: More √3:1 Circuit Auto-P INV. Output A Bypass Spe	39A ication 380× (1±1%) g) (Static Load) Conline Mode t Full Load) 100 Unbala d Load); ≤2°(50 d Load); ≤2°(50 ave than 10 mins; Protection, Bypa uuto-Locked Pro	AC or Phase \(\); 380Vac±2% racking input a < 3% (Non-Linced)% Balanced Low Balanced Low Salanced Low Salan	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad) te than 60s trans	n Change);	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload Crest Ratio Short-Circuit Output Abnormal Static Bypass Transfer Time Static Bypass Input Range		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1°(Balance: ≤1°(Balance: 45-65Hz Pure Sine Wa >125%: More 3:1 Circuit Auto-P INV. Output A Bypass Specions 380Vac (-15-	39A ication 380× (1±1%) g) (Static Load) Online Mode t Full Load) Online Mode t 100 Unbala d Load); ≤2°(50 d Load); ≤2°(50 d toad); ≤2°(50 extended to the state of the state	AC or Phase \(\): 380Vac±2% racking input a < 3% (Non-Lii nced) % Balanced Li% Balanced Li> 150%: More iss Switch Triplotection	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad) te than 60s trans	n Change);	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload Crest Ratio Short-Circuit Output Abnormal Static Bypass Transfer Time Static Bypass Input Range Frequency Range		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1°(Balancer ≤1°(Balancer 45-65Hz Pure Sine Wa >125%: More 3 : 1 Circuit Auto-P INV. Output A Bypass Spe Oms 380Vac (-15- 50/60Hz±1Hz	39A ication 380× (1±1%) g) (Static Load) Conline Mode t Full Load) 100 Unbala d Load); ≤2°(50 d Load); ≤2°(50 ave than 10 mins; Protection, Bypa uuto-Locked Pro	AC or Phase \(\): 380Vac±2% racking input a < 3% (Non-Lii nced) % Balanced Li% Balanced Li> 150%: More iss Switch Triplotection	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad) te than 60s trans	n Change); ;±0.1%: wher	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload Crest Ratio Short-Circuit Output Abnormal Static Bypass Transfer Time Static Bypass Input Range Frequency Range Frequency Range ypass> INV Transfer Time		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1°(Balance: ≤1°(Balance: 45-65Hz Pure Sine Wa >125%: More 3:1 Circuit Auto-P INV. Output A Bypass Specions 380Vac (-15-	39A ication 380× (1±1%) g) (Static Load) Online Mode t Full Load) Online Mode t 100 Unbala d Load); ≤2°(50 d Load); ≤2°(50 d toad); ≤2°(50 extended to the state of the state	AC or Phase \(\): 380Vac±2% racking input a < 3% (Non-Lii nced) % Balanced Li% Balanced Li> 150%: More iss Switch Triplotection	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad) te than 60s trans	n Change); ;±0.1%: wher	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload Crest Ratio Short-Circuit Output Abnormal Static Bypass Transfer Time Static Bypass Input Range Frequency Range Frequency Range ypass> INV Transfer Time		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1°(Balancer ≤1°(Balancer 45-65Hz Pure Sine Wa >125%: More 3 : 1 Circuit Auto-P INV. Output A Bypass Spe Oms 380Vac (-15- 50/60Hz±1Hz	39A ication 380× (1±1%) g) (Static Load) Online Mode t Full Load) Online Mode t 100 Unbala d Load); ≤2°(50 d Load); ≤2°(50 d toad); ≤2°(50 extended to the state of the state	AC or Phase \(\): 380Vac±2% racking input a < 3% (Non-Lii nced) % Balanced Li% Balanced Li> 150%: More iss Switch Triplotection	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad) te than 60s trans	n Change); ;±0.1%: wher	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload Crest Ratio Short-Circuit Output Abnormal Static Bypass Transfer Time Static Bypass Input Range Frequency Range ypass> INV Transfer Time Frequency Tracking Speed		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phass ≤1° (Balancer 45-65Hz Pure Sine Wa >125%: More 3 : 1 Circuit Auto-P INV. Output A Bypass Spe Oms 380Vac (-15- 50/60Hz±1Hz	39A ication 380× (1±1%) g) (Static Load) Online Mode t Full Load) Online Mode t 100 Unbala d Load); ≤2°(50 d Load); ≤2°(50 d toad); ≤2°(50 extended to the state of the state	AC or Phase \(\): 380Vac±2% racking input a < 3% (Non-Lii nced) % Balanced Li% Balanced Li> 150%: More iss Switch Triplotection	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad) te than 60s trans	n Change); ;±0.1%: wher	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload Crest Ratio Short-Circuit Output Abnormal Static Bypass Transfer Time Static Bypass Input Range Frequency Range ypass> INV Transfer Time Frequency Tracking Speed		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1°(Balance: ≤1°(Balance: 45-65Hz Pure Sine Wa >125%: More 3:1 Circuit Auto-P INV. Output A Bypass Spe Oms 380Vac (-15- 50/60Hz±1Hz Zms 0.5-2hz/s Available	39A ication 380x (1±1%) g) (Static Load) c Online Mode t r Full Load), c 100% Unbala d Load); \$2°(50 d Load); \$2°(50 ave than 10 mins; crotection, Bypa auto-Locked Procedification ~+15%) c, ±2Hz, ±3Hz A	AC or Phase \(\): 380Vac±2% racking input a < 3% (Non-Lii nced) % Balanced Li% Balanced Li> 150%: More iss Switch Triplotection	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad) te than 60s trans	n Change); ;±0.1%: wher	380Vac±3%(100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload Crest Ratio Short-Circuit Output Abnormal Static Bypass Transfer Time Static Bypass Transfer Time Static Bypass Input Range Frequency Range ypass> INV Transfer Time Frequency Tracking Speed Ianual Maintenance Bypass		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phase ≤1°(Balance: ≤1°(Balance: 45-65Hz Pure Sine Wa >125%: More 3:1 Circuit Auto-PiNV. Output A Bypass Species Oms 380Vac (-15- 50/60Hz±1Hz Zms Available Battery Species	39A ication 380× (1±1%) g) (Static Load) Online Mode t Full Load) Online Mode t 100 Unbala d Load); ≤2°(50 d	AC or Phase \(\); 380Vac±2% racking input a < 3% (Non-Lin need) (Non-Lin Non-Lin Non-	Voltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad) the than 60s trans ping	1±1%) AC on Change); ; ±0.1%: when	380Vac±3% (input or bypas	100-0% Sudder	n Change)		
Input Current Output Voltage Output PF Output Voltage Regulation Output Freq THD 3 Phase Unbalanced Output Volt. Unbalanced Input/Output Phase Swift Frequency Tracking Range Output Waveform Overload Crest Ratio Short-Circuit Output Abnormal Static Bypass Transfer Time Static Bypass Transfer Time Static Bypass Input Range Frequency Range ypass> INV Transfer Time Frequency Tracking Speed Ianual Maintenance Bypass Charging Methods		31A Output Specif Line Voltage: 0.8/0.9 (No la 380Vac±1% ±8% at 50Hz: <1% (Linear Allow 3 Phases <1"(Balancer 45-65Hz Pure Sine Wa >125%: More 3:1 Circuit Auto-P INV. Output A Bypass Spe Oms 380Vac (-15- 50/60Hz±1Hz Zms 0.5-2bz/s Available Battery Spe- DSP Controlle	39A ication 380x (1±1%) g) (Static Load) Online Mode t r Full Load) Online Mode t r Full Load O	AC or Phase V 380Vac±2% racking input a < 3% (Non-Lin nced)% Balanced Li % Balanced Li > 150%: More uss Switch Trip otection djustable	/oltage: 220× ((50-0% Sudde nd bypass freq. near Full Load) pad) pad) te than 60s trans	1±1%) AC on Change); ; ±0.1%: when	380Vac±3% (input or bypas	100-0% Sudder	n Change)		
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Note: Specifications are subject to change without further notice.

ALLIS ELECTRIC CO., LTD.

Website: http://www.allis.com.tw

E-mail: sales@allis.com.tw

Tel: 886-2-2655-3456



