

UPS ALLSAI W PRO (110) PF 0.9

1kVA ~ 10kVA

Features

- High frequency and true double-conversion
- DSP digital control technology
- Input power factor correction (PFC)
- Wide input voltage range
- Output power factor 0.9 (optional)
- Cold start
- Auto sensing frequency
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- Output bypass settable for 1,2,3KVA via LCD
- 50Hz/60Hz frequency conversion mode available on 6 ~10KVA
- 6 ~10KVA built in output isolation transformer
- Selectable battery low voltage via LCD
- Power-on self test
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatic charging in OFF mode
- Fan speed auto control when loads varies
- Standard RS232 communication port and RJ45 protection
- Optional USB/SNMP communication port
- Optional emergency power off (EPO)
- Optional extension battery bank
- Optional manual bypass on 6 ~10KVA
- Optional N+X redundancy parallel on 6 ~10KVA



Real Panel

- 1. Overcurrent Protection
- 2. AC Input
- 3. Modem/Tel/Fax
- 4. DC Input
- 5. Outlet
- 6. FAN
- 7. RS232
- 8. USB (optional)
- 9. EPO (optional)
- 10. Manual Bypass (optional)
- 11. SNMP/AS400 (optional)
- 12. Breaker
- 13. Parallel Card (optional)
- 14. BAT_NTC (optional)













UPS ALLSAI W PRO (110)

PF 0.9

1kVA ~ 10kVA

MODEL		W1K Pro (110)	W2K Pro (110)	W3K Pro (110)	W6K Pro (110)	W10K Pro (110)
Capacity		1KVA / 900W	2KVA / 1800W	3KVA / 2700W	6KVA / 5400W	10KVA / 9000W
INPUT						
Rated voltage		100 Vac / 110 Vac / 115 Vac / 120 Vac / 127 Vac			208 Vac / 220 Vac / 230 Vac / 240 Vac	
Voltage range		50~ 80Vac (linear derating between 50% and 100% load);			Half load (115 ~ 295)±5 Vac	
		80 ~ 150Vac (no derating);			Full load (165 ~ 295)±5 Vac	
Frequency		45~55Hz±0.5% or 55~65Hz±0.5% (auto-sense)			40~70Hz±0.5% (auto-sense)	
Power factor		≥ 0.98			≥ 0.99	
Bypass vo	oltage range	(95 ~ 140) ±5 Vac			-40% ~ +15% (settable)	
OUTPUT						
Voltage re	gulation	100 Vac / 110 Vac / 1	5 Vac / 120 Vac / 127	Vac (settable via LCD)	110 Vac / 120 Vac	: 220 Vac / 240 Vac
Voltage		± 1%				
Frequency		Synchronized with utility in mains mode; 50/60 ± 0.2Hz in battery mode				
Waveform		Sinusoidal				
Crest factor		3:1				
Harmonic distortion		≤ 3% (linear load); ≤ 5% (non-linear load)			≤ 2% (linear load); ≤ 5% (non-linear load	
Transfer time		Mains mode to battery mode: 0 ms			Mains mode to battery mode: 0 ms	
		Inverter mode to bypass mode: 4 ms (typical)			Inverter mode to bypass mode: 0 ms	
Overload capability		105% ~ 150%: transfer to bypass in 30 s; > 150%: transfer to bypass in 300 ms			105% ~ 125%: transfer to bypass in 3 mins 125% ~ 150%: transfer to bypass in 30 s; > 150%: transfer to bypass in 100 ms	
EFFICIEN	ICY					
Mains mode		≥ 90%			≥ 92%	
Battery mode		≥ 87%			≥ 91%	
ECO mode		≥ 94%			≥ 98%	
BATTERIE	ES					
DC voltage				l .	1	
DC voltage	е	24V	48V	72V	19	92V
	e ttery of standard model	24V 2 x 9Ah	48V 4 x 9Ah	72V 6 x 9Ah	16 x 7Ah	92V 16 x 9Ah
Inbuilt bat	standard model					I
	tery of standard model Standard model			6 x 9Ah	16 x 7Ah	I
Inbuilt bat	standard model		4 x 9Ah	6 x 9Ah	16 x 7Ah	16 x 9Ah
Inbuilt bat	current Standard model Current Standard model Long time model		4 x 9Ah	6 x 9Ah 1A	16 x 7Ah	16 x 9Ah
Inbuilt bat Charging of Typical red	current Standard model Current Standard model Long time model Charge time		4 x 9Ah	6 x 9Ah 1A 8 h	16 x 7Ah	16 x 9Ah
Inbuilt bat Charging of Typical red ALARM	current Standard model Current Standard model Long time model charge time		4 x 9Ah	6 x 9Ah 1A 8 h Beep / 4s	16 x 7Ah	16 x 9Ah
Charging of Typical red ALARM Utility failu	current Standard model Current Standard model Long time model charge time		4 x 9Ah	6 x 9Ah 1A 8 h Beep / 4s Beep / 1s	16 x 7Ah	16 x 9Ah
Inbuilt bat Charging of Typical red ALARM Utility failu Battery lov	current Standard model Current Standard model Long time model charge time		4 x 9Ah	6 x 9Ah 1A 8 h Beep / 4s Beep twice / 1s	16 x 7Ah	16 x 9Ah
Inbuilt bate Charging of Typical rec ALARM Utility failu Battery lov Overload	tery of standard model current Standard model Long time model charge time		4 x 9Ah	6 x 9Ah 1A 8 h Beep / 4s Beep / 1s	16 x 7Ah	16 x 9Ah
Inbuilt bate Charging of Typical rec ALARM Utility failu Battery low Overload UPS fault	tery of standard model current Standard model Long time model charge time		4 x 9Ah 6A	6 x 9Ah 1A 8 h Beep / 4s Beep / 1s Beep twice / 1s Long beep	16 x 7Ah	16 x 9Ah
Inbuilt bate Charging of Typical rec ALARM Utility failu Battery lov Overload UPS fault ENVIRON	tery of standard model current Standard model Long time model charge time ure w		4 x 9Ah 6A	6 x 9Ah 1A 8 h Beep / 4s Beep twice / 1s	16 x 7Ah 1A / 3A ondensing)	16 x 9Ah
Inbuilt batter Charging of Typical reconstruction ALARM Utility failured Battery low Overload UPS fault ENVIRON Humidity Noise leve	tery of standard model current Standard model Long time model charge time ure w		4 x 9Ah 6A 20~90% RI	6 x 9Ah 1A 8 h Beep / 4s Beep / 1s Beep twice / 1s Long beep	16 x 7Ah 1A / 3A ondensing)	16 x 9Ah / 5A / 8A
Inbuilt bate Charging of Typical rec ALARM Utility failu Battery lov Overload UPS fault ENVIRON Humidity Noise leve COMMUN	tery of standard model current Standard model Long time model charge time ure w MENT	2 x 9Ah	4 x 9Ah 6A 20~90% RI ≤ 50dB (1m)	6 x 9Ah 1A 8 h Beep / 4s Beep / 1s Beep twice / 1s Long beep H @ 0~40°C (non-c	16 x 7Ah 1A / 3A In / 3A	16 x 9Ah / 5A / 8A
Inbuilt bate Charging of Typical rec ALARM Utility failu Battery lov Overload UPS fault ENVIRON Humidity Noise leve COMMUN	tery of standard model current Standard model Long time model charge time ure w MENT el IICATIONS andard) / USB (option)	2 x 9Ah Suţ	4 x 9Ah 6A 20~90% RI ≤ 50dB (1m) pports Windows® 98	6 x 9Ah 1A 8 h Beep / 4s Beep / 1s Beep twice / 1s Long beep H@ 0~40°C (non-c	16 x 7Ah 1A / 3A nondensing) ≤ 55d sta/2008/ Windows®	16 x 9Ah / 5A / 8A / B (1m) / 7/8/10
Inbuilt batter Charging of Typical reconstruction ALARM Utility failured Battery low Overload UPS fault ENVIRON Humidity Noise lever COMMUN RS232 (statement)	tery of standard model current Standard model Long time model charge time ure w MENT el IICATIONS andard) / USB (option)	2 x 9Ah Suţ	4 x 9Ah 6A 20~90% RI ≤ 50dB (1m) pports Windows® 98	6 x 9Ah 1A 8 h Beep / 4s Beep / 1s Beep twice / 1s Long beep H@ 0~40°C (non-c	16 x 7Ah 1A / 3A In / 3A	16 x 9Ah / 5A / 8A / B (1m) / 7/8/10
Inbuilt batter Charging of Typical red ALARM Utility failur Battery low Overload UPS fault ENVIRON Humidity Noise leve COMMUN RS232 (sta SNMP (opto OTHERS	tery of standard model current Standard model Long time model charge time ure w MENT el IICATIONS andard) / USB (option) tion)	2 x 9Ah Sup	4 x 9Ah 6A 20~90% RI ≤ 50dB (1m) poports Windows® 98 ower management	6 x 9Ah 1A 8 h Beep / 4s Beep / 1s Beep twice / 1s Long beep H @ 0~40°C (non-c	16 x 7Ah 1A / 3A tondensing) ≤ 55d sta/2008/ Windows ger and web browse	16 x 9Ah / 5A / 8A / 5B (1m) 7/8/10
Inbuilt bate Charging of Typical rec ALARM Utility failu Battery lov Overload UPS fault ENVIRON Humidity Noise leve COMMUN RS232 (sta SNMP (opt OTHERS Long	tery of standard model current Standard model Long time model charge time ure w MENT el IICATIONS andard) / USB (option) tion) Dimensions (mm) W×D×H	2 x 9Ah Sup F 144 x 357 x 215	4 x 9Ah 6A 20~90% RI ≤ 50dB (1m) poorts Windows® 98 ower management	6 x 9Ah 1A 8 h Beep / 4s Beep / 1s Beep twice / 1s Long beep H @ 0~40°C (non-c	16 x 7Ah 1A / 3A tondensing) ≤ 55d sta/2008/ Windows® ger and web browse	16 x 9Ah / 5A / 8A / 5B (1m) 7/8/10 er 4 x 735
Inbuilt batt Charging of Typical rec ALARM Utility failu Battery lov Overload UPS fault ENVIRON Humidity Noise leve COMMUN RS232 (sta SNMP (opt OTHERS Long [Itime]	tery of standard model current Standard model Long time model charge time ure w MENT el IICATIONS andard) / USB (option) tion) Dimensions (mm) W×D×H Packaged dimensions (mm) W×D×H	2 x 9Ah Sur F 144 x 357 x 215 232 x 457 x 320	4 x 9Ah 6A 20~90% RI ≤ 50dB (1m) poports Windows® 98 ower management 190 x 45 320 x 57	6 x 9Ah 1A 8 h Beep / 4s Beep / 1s Beep twice / 1s Long beep 1 @ 0~40°C (non-c	16 x 7Ah 1A / 3A 1A / 3A condensing) ≤ 55d sta/2008/ Windows* ger and web browse 262 x 51 360 x 61	16 x 9Ah / 5A / 8A
Inbuilt batter Charging of ALARM Utility failur Battery low Overload UPS fault ENVIRON Humidity Noise leve COMMUN RS232 (statement of SNMP (opto OTHERS Long [Imme]	terry of standard model current Standard model Long time model charge time ure w MENT el IICATIONS andard) / USB (option) tion) Dimensions (mm) W×D×H Packaged dimensions (mm) W×D×H Net/Gross weight (kg)	2 x 9Ah Sup F 144 x 357 x 215 232 x 457 x 320 6.0 / 7.0	4 x 9Ah 6A 20~90% RI ≤ 50dB (1m) poports Windows® 98 ower management 190 x 45 320 x 57 12.0/	6 x 9Ah 1A 8 h Beep / 4s Beep / 1s Beep twice / 1s Long beep H @ 0~40°C (non-c	16 x 7Ah 1A / 3A 1A / 3A 1A / 3A condensing) ≤ 55d sta/2008/ Windows* ger and web browse 262 x 51 360 x 61 47.0 / 49.5	16 x 9Ah / 5A / 8A / 5A / 8A / 5B (1m) / 7/8/10 er 4 x 735 5 x 790 50.0 / 52.5
Inbuilt bate Charging of Typical rec ALARM Utility failu Battery lov Overload UPS fault ENVIRON Humidity Noise leve COMMUN RS232 (sta SNMP (opt OTHERS Long Itime Fmodel Standard	tery of standard model current Standard model Long time model charge time ure w MENT el IICATIONS andard) / USB (option) tion) Dimensions (mm) W×D×H Packaged dimensions (mm) W×D×H	2 x 9Ah Sur F 144 x 357 x 215 232 x 457 x 320	4 x 9Ah 6A 20~90% RI ≤ 50dB (1m) poports Windows® 98 ower management 190 x 45 320 x 57	6 x 9Ah 1A 8 h Beep / 4s Beep / 1s Beep twice / 1s Long beep 1 @ 0~40°C (non-c	16 x 7Ah 1A / 3A 1A / 3A condensing) ≤ 55d sta/2008/ Windows* ger and web browse 262 x 51 360 x 61	16 x 9Ah / 5A / 8A / 5A / 8A // 5A / 8A

