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)

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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 voltage range		(95 ~ 140) ± 5 Vac			-40% ~ +15% (settable)	
OUTPUT						
Voltage regulation		100 Vac / 110 Vac / 115 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	
EFFICIENCY						
Mains mode		⩾ 90%			⩾ 92%	
Battery mode		⩾ 87%			⩾ 91%	
ECO mode		⩾ 94%			⩾ 98%	
BATTERIES						
DC voltage		24V	48V	72V	192V	
Inbuilt battery of standard model		2 x 9Ah	4 x 9Ah	6 x 9Ah	16 x 7Ah	16 x 9Ah
Charging current	Standard model	1A				
	Long time model	6A			1A / 3A / 5A / 8A	
Typical recharge time		8 h				
ALARM						
Utility failure		Beep / 4s				
Battery low		Beep / 1s				
Overload		Beep twice / 1s				
UPS fault		Long beep				
ENVIRONMENT						
Humidity		20~90% RH @ 0~40℃ (non-condensing)				
Noise level		⩽ 50dB (1m)			⩽ 55dB (1m)	
COMMUNICATIONS						
RS232 (standard) / USB (option)		Supports Windows® 98/2000/2003/XP/Vista/2008/ Windows®7/8/10				
SNMP (option)		Power management from SNMP manager and web browser				
OTHERS						
Long time model	Dimensions (mm) W x D x H	144 x 357 x 215	190 x 452 x 334		262 x 514 x 735	
	Packaged dimensions (mm) W x D x H	232 x 457 x 320	320 x 573 x 472		360 x 615 x 790	
	Net/Gross weight (kg)	6.0 / 7.0	12.0 / 13.3		47.0 / 49.5	50.0 / 52.5
Standard model	Dimensions (mm) W x D x H	144 x 357 x 215	190 x 452 x 341		262 x 690 x 735	
	Packaged dimensions (mm) W x D x H	232 x 457 x 320	320 x 573 x 472		360 x 790 x 820	
	Net/Gross weight (kg)	11.0 / 13.5	20.0 / 21.5	24.0 / 25.5	87.0 / 95.0	90.0 / 98.0