



www.allsai.com

Double-conversion Online UPS



- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.8
- Wide input voltage (110 V – 300 V)
- Converter mode available
- ECO mode for energy saving (Only available for 1-3KVA)
- Generator compatible
- Charger capacity expansion to 6A for long-run models
- Smart SNMP works well with either USB or RS-232 together
- Comprehensive display allows easy monitoring and access of UPS status
- Optional isolation transformer available. (Please check sales directly)

Allsai W Pro 1K/2K/3K/6K/10K Online UPS Selection Guide

MODEL	Allsai W Pro 1K (L)	Allsai W Pro 2K (L)	Allsai W Pro 3K (L)	Allsai W Pro 6K (L)	Allsai W Pro 10K (L)						
PHASE	Single phase with ground										
CAPACITY *	1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W	6000VA / 4800W	10000 VA / 8000 W						
INPUT											
Nominal Voltage	100/110/115/120/127VAC or 200/208/220/230/240VAC			208/220/230/240VAC							
Input Voltage Range	55-150 VAC or 110-300 VAC (Based on load at 50%) 85-140VAC or 160-280VAC (Based on load at 100%)			110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)							
Frequency Range	40 Hz ~ 70 Hz			46~54 Hz or 56~64 Hz							
Power Factor	≥ 0.99 @ Nominal Voltage (100% load)										
OUTPUT											
Output Voltage	100/110/115/120/127VAC or 200/208/220/230/240VAC			208/220/230/240VAC							
Voltage Regulation	± 1 %										
Frequency Range (Synchronized Range)	47~ 53 Hz or 57 ~ 63 Hz			46~54 Hz or 56~64 Hz							
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz			50 Hz or 60Hz ± 0.1 Hz							
Current Crest Ratio	3:1										
Harmonic Distortion	≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)			≤ 3 % THD (Linear Load) ≤ 5 % THD (Non-linear Load)							
Transfer Time	AC Mode to Battery Mode		Zero								
	Inverter to Bypass		4 ms (Typical)								
Waveform (Batt. Mode)	Pure Sinewave										
EFFICIENCY											
AC Mode	88%	88%	90%	92%	93%						
Battery Mode	83%	85%	88%	90%	91%						
BATTERY											
Standard Model	Battery Type	12 V / 9 Ah	12 V / 9 Ah	12 V / 9 Ah	12 V / 9 Ah						
	Numbers	2	4	6	16	20					
	Typical Recharge Time	4 hours recover to 90% capacity			9 hours recover to 90% capacity						
	Charging Current (max.)	1 A			1 A / 2 A						
	Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	218.4 VDC ±1%	273VDC ±1%					
Long-run Model **	Battery Type	Depending on the capacity of external batteries									
	Numbers	2	3	4	6	8	6	8	16	20	16
	Charging Current (max.)	1A/2A/4A/6A (Adjustable)					1A/2A/4A/6A (Adjustable)				
	Charging Voltage	27.4VDC ± 1%	41.0VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	109.4VDC ±1%	82.1 VDC ±1%	109.4VDC ±1%	218.4 VDC ±1%	273 VDC ±1%	218.4 VDC ±1%
INDICATORS											
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators										
ALARM											
Battery Mode	Sounding every 4 seconds										
Low Battery	Sounding every second										
Overload	Sounding twice every second										
Fault	Continuously sounding										
PHYSICAL											
Standard Model	Dimension, D x W x H(mm)	282 x 145 x 220	397 x 145 x 220	421 x 190 x 318	369 x 190 x 688	442 x 190 x 688					
	Net Weight (kgs)	9.8	17	27.6	61	66 75					
Long-run Model **	Dimension, D x W x H(mm)	282 x 145 x 220		397 x 145 x 220		369 x 190 x 318	442 x 190 x 318				
	Net Weight (kgs)	4.1	6.8	7.4	12	16	18				
ENVIRONMENT											
Humidity	20-90 % RH @ 0- 40°C (Non-condensing)			0-95% RH @ 0-50°C (non-condensing)		0-95% RH @ 0-40°C (non-condensing)					
Noise Level	Less than 50dBA @ 1 Meter			Less than 55dBA @ 1 Meter		Less than 58dBA @ 1 Meter					
MANAGEMENT											
Smart RS-232 / USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux, Unix and MAC										
Optional SNMP	Power management from SNMP manager and web browser										

*1-3KVA: Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC
6-10KVA: Derate to 60% of capacity in Frequency converter mode and to 90% when the output voltage is adjusted to 208VAC
**Long-run model is only available in 200/208/220/230/240VAC systems (200VAC system only available for 1-3KVA).
Product specifications are subject to change without further notice.