

AD Series



- *True double-conversion
- *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
- *Capacity of batteries can be tailored for longer backup time-Only 6KVA and higher models
- *Smart SNMP works well with either USB or RS-232 together
- *Emergency power off function(EPO)only available for 6K/10K models
- *Adjustable charging current via LCD or software (1A~6A) only available for 6K/10K models

AD Series Online UPS

MODEL	AD1000(L)	AD2000 (L)	AD3000 (L)	AD6000 (L)	AD 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	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	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 Inverter to Bypass		Zero		Zero	
Waveform (Batt. Mode)	Pure Sine wave					
EFFICIENCY						
AC Mode	88%	89%	90%	92%	93%	
Battery Mode	83%	87%	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	
Long-run Model **	Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	218.4 VDC±1%	273VDC ±1%
	Battery Type	Depending on the capacity of external batteries				
	Numbers	2	3	4	6	8
	Charging Current (max.)	1A/2A/4A/6A (Adjustable)			1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries)	
	Charging Voltage	27.4VDC±1%	41.0VDC±1%	54.7VDC±1%	82.1VDC±1%	109.4VDC±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	74
Long-run 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 318	442 x 190 x 318
	Net Weight (Kgs)	4.1	6.8	7.4	12	16
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 50dB @ 1 Meter			Less than 55dB @ 1 Meter	Less than 58dB @ 1 Meter	
MANAGEMENT						
Smart RS-232 / USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux 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 for 200/208/220/230/240VAC systems (200VAC system only available for 1-3KVA).

Product specifications are subject to change without further notice.