

AP3300-II SERIES 3:3

Features

- High power density design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with DSP control
- Input current harmonic: <3%
- Wide input voltage range: 208~478Vac
- Wide input frequency range 40~70Hz
- Optimization battery group, the quantity of battery 10~30kVA: 16/18/20pcs (30~50pcs is optional) 40kVA: 30~50pcs
- Maximum charging current up to 20A (Settable)
- Dual input source (optional for standard unit)
- Colorful 2.4-inch TFT LCD display and 7-inch LCD display LCD are optional
- Versatile LCD human-computer interface
- Generator compatible
- ECO mode operation for energy saving
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- The output can meet 100% unbalanced load
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Multiple communication interface: USB, RS232, RS485, Parallel port, Dry contact, Intelligent slot, SNMP card (Optional), Relay card (Optional), Battery temperature sensor (Optional)



Relay card



SN



SN



Parallel cable

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Technical Specifications:

MODEL	AP3310S/H	AP3315S/H	AP3320S/H	AP3330S/H	AP3340S/H
Capacity	10kVA / 9kW	15kVA / 13.5kW	20kVA / 18kW	30kVA / 27kW	40kVA / 36kW
	10kVA / 10kW	15kVA / 15kW	20kVA / 20kW	30kVA / 30kW	40kVA / 40kW

INPUT

Nominal voltage	380/400/415Vac (3Ph+N+PE)				
Operating voltage range	305~478Vac(Full load); 208~478Vac(50% load)				
Operating frequency range	40~70Hz (50/60Hz Auto-Sensing)				
Power factor	≥0.99				
Bypass voltage range	Max.voltage:220V:+25% (Optional+10%,+15%,+20%)				
	230V:+20% (Optional+10%,+15%)				
	240V:+15% (Optional+10%)				
	Min.voltage:-45% (Optional-20%,-30%)				
Frequency protection range	50/60Hz ± 10%				
ECO range	Same as bypass				
Harmonic distortion (THDi)	≤3% Linear load				

OUTPUT

Output voltage	380/400/415Vac (3Ph+N+PE)				
Voltage regulation	± 1%				
Power factor	0.9				
Output	Line Mode	± 1%/ ± 2%/ ± 4%/ ± 5%/ ± 10% of the rated frequency (Optional)			
Frequency	Bat. Mode	50/60(± 0.1%)Hz			
Transfer time	AC mode to Bat.Mode	0ms			
	Inverter to Bypass	0ms			
Output waveform	Pure Sinewave				
Crest factor	3:1				
Harmonic distortion (THDv)	≤2% Linear load				
	≤5% Non linear load				
Overload	AC mode	≤ 110%,last 60min; ≤ 125%,last 10min; ≤ 150%,last 1min; > 150% turn to bypass Immediately			
	Bat.mode	≤ 110%,last 10min; ≤ 125%,last 1min; ≤ 150%,last 5s; > 150% turn to bypass Immediately			

EFFICIENCY

Efficiency	up to 93.5%	up to 94.5%
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BATTERY

	Standard unit	± 120Vdc (20pcs 12V9Ah); (20pcs 12V7Ah, 2x20pcs 12V7/9Ah optional)	± 120Vdc (2x20pcs 12V9Ah) (2x20pcs 12V7Ah optional)	± 120Vdc (3x20pcs 12V9Ah) (3x20pcs 12V7Ah optional)	± 180Vdc (2x30pcs 12V9Ah) (2x30pcs 12V7Ah optional)	
Battery voltage	Long run unit	10~30kVA: ± 96/108/120Vdc; battery quantity(16~20pcs, 16pcs default, Standard unit and 20pcs no power derating;18pcs output power factor 0.8/0.9;16pcs output power factor 0.7/0.8;) 10~30kVA (Optional): ± 180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs optional)			40kVA: ± 180/192/204/216 /228/240/252/264/276/288/ 300Vdc(30/32/34/36/38/40/ 42/44/46/48/50pcs)	
Charge Current (charge current can be set according to battery capacity installed)	Standard unit	1.35A (2.7Aoptional)	2.7A	4.05A	2.7A	
	Long run unit	14A Max.	16A Max.	18A Max.	20A Max.	20A Max.

PHYSICAL

Dimension	Standard unit	250 x 900 x 868				
W × D × H (mm)	Long run unit	250 x 580 x 655				
Net weight (kg)		129/35	186/39	187/40	236/43	239/46

ENVIRONMENTAL

Operating temperature	0 ~ 40°C				
Storage temperature	-25 ~ 55°C (No battery)				
Humidity range	0 ~ 95% (Non condensing)				
Altitude	<1500m,derating required when>1500m				
Noise level	<55dB	<58dB	<61dB	<64dB	<64dB

STANDARDS

Safety	IEC/EN62040-1,IEC/EN62477-1				
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8				

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BT 10-40kVA battery pack specification

MODEL	AP31 BT40120N	AP3320 BT80120N	AP3330 BT80120N	AP3340 BT60180N	AP3340 BT80240N
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BATTERY SYSTEM

Battery type	VRLA (Lead acid maintenance free battery)				
Typical battery recharging time	6-8 hours (to 90% of full capacity)				
Typical battery life	3-5 years, depend on discharging cycle and ambient temperature				
System voltage	±120Vdc		±180Vdc		±240Vdc
Battery quantity	2 * ±10 PCS	4 * ±10 PCS		2 * ±15 PCS	2 * ±20 PCS
Capacity	7Ah/9Ah (12V)				

PHYSICAL

Dimension W x D x H (mm)	250 x 619 x 616 (With wheel)	250 x 900 x 868 (With wheel)			
Net weight (kg)	122/134	244/265	200/215	244/265	

ENVIRONMENT

Safety	CE				
Operating environment	0°C-40°C				
Relative humidity	0-95% (Non condensing)				
Noise level	<40dB at 1 Meter				