



Alpha Series

1kVA - 15kVA

True On-Line Double Conversion
Built-In Isolation Transformer



Features

■ High reliability design

- Double Conversion on-line design, which makes the output a pure sine wave source with tracking frequency, phase-lock and voltage regulation, low distortion and without power fluctuation interference, providing the load with more comprehensive protection.

■ Strong protection for load

- Built-in isolation transformer, strong anti-interference ability, provides more comprehensive protection.

■ Wide input range

- Wide input voltage range up to :165~290Vac, avoid frequently switching to battery mode, which adapt to the areas with harsh environment.
- Wide input frequency range, ensure all types of fuel generators connected work stable.

■ Optimization of high-performance battery

- Advanced floating switching and charging technology maximums the activation of the battery, thus saves the charging time and extends the battery life.

■ Battery cold start function

- The UPS can be start directly by battery group when no utility access in, which meets the emergent needs of user.
- Strong cold start ability, which can do the cold start operation when full load.

■ Comprehensive and reliable protection

- Self-diagnosis function before start-up, avoid the risks that the failure may lead to.
- The multi-protections such as overload, short-circuit, over-temperature, battery under voltage, battery over-charge and so on greatly ensure the system stability and reliability.
- Built-in static electronic bypass switch, when UPS fails, it can transfer to bypass mode and continue to provide power for load by AC.
- DC start function. The UPS can be started directly without AC, which meet the emergent needs of the user.

■ User-friendly network management

- Communication with computer can be realized by RS232 with corresponding monitoring software. The various parameters can be shown on the communication interface.
- External SNMP adapter. The UPS with remote network management capability can provide real-time data for communication and management through a variety of network management systems.



Rear Panel

1. RS232 port
2. FAN
3. Input breaker
4. Connection box
5. Entrance hole
6. Active wheel



Technical Specifications:

MODEL	Alpha-1T	Alpha-2T	Alpha-3T	Alpha-4T	Alpha-6T	Alpha-8T	Alpha-10T	Alpha-12T	Alpha-15T
Capacity (VA/Watts)	1k/0.9k	2k/1.8k	3k/2.7k	4k/3.6k	6k/5.4k	8k/7.2k	10k/9k	12k/10.8k	15k/13.5k
INPUT									
Nominal voltage	220/230Vac								
Operating voltage range	165 ~ 290Vac								
Operating frequency range	50/60Hz (± 5%)								
Power factor	> 0.99 (with filter)								
Max. input current(A)	6	10	14	24	34	45	56	65	80
OUTPUT									
Output voltage	220Vac(± 0.5%) / 230Vac(± 0.5%)								
Output frequency	50/60Hz(± 0.5%)								
Crest factor	3:1 (max)								
Efficiency	1~8kVA: 90% online 10~30kVA: 92% online								
Harmonic distortion (THD)	<1.5%(linear load)								
BATTERY									
Battery voltage	48Vdc or 192Vdc				192Vdc				
SYSTEM FEATURES									
Transfer time	0 ms (Line mode→ Battery mode)								
Overload	>125% : 1min, >150%: 200ms								
Communication interface	RS232, SNMP(optional), Dry contact (optional)								
ENVIRONMENTAL									
Operating temperature	0 ~ 40℃								
Storage temperature	-25℃ ~ 55℃								
Humidity range	0 ~ 95% (non-condensing)								
Altitude	<1500m								
Noise level	<55dB								
PHYSICAL									
Dimension D × W × H (mm)	608 × 200 × 538 (48Vdc/Battery) 580 × 230 × 720 (192Vdc/Battery)				580 × 230 × 720		585 × 305 × 864		798 × 409 × 1044
Net weight (kg)	44/45	55/54	62/54	57	63	92	100	125	180
STANDARDS									
Safety	IEC/EN62040-1; IEC/EN60950-1								
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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