

TRUE ONLINE UPS



Features

- True Double Conversion On-Line Design
- Input Power Factor Correction
- Built-in Surge Protection
- M. P. Control & RS232 Communications
- Compact size, lightweight
- Wide input voltage window
- High Efficiency
- Over Crest ratio Indicator
- Site Wiring Fault Indicator
- Green Mode Operation
- Compatible with generators
- Optional Internal SNMP/HTTP
- Optional Extended Battery Time
- Optional Frequency Conversion

ARK POWER On-line UPS is the only design that can provide the maximum protection against major power problems. This is accomplished through converting the incoming AC utility voltage to a DC voltage. From this DC voltage, an AC voltage is then completely regenerated by the UPS, providing a clean, well-regulated source to your equipment, thereby eliminating power related problems. This solid-state generator sets the True Regenerative On-Line UPS apart from all other Line-interactive and Off-line designs, which leave your sensitive equipment connected directly to the dirty utility power 99+% of the time.

If your equipment is operating in a "Mission Critical" application, then you need a ARK On-Line UPS and the choice is yours with the quality of ARK power Ltd.

Area of Exploitation

- Telecommunication Equipments
- Spinning Machines
- Dyeing & Finishing
- Defense Equipments
- Pharmaceutical Industries
- Hospitals & Medical Equipments
- Laboratory / Scientific Equipments
- ICT Systems
- Color Lab Equipments
- Central Air Conditioning Plant
- CNG Fuel Stations
- & Other Industries....



ARK POWER LIMITED
FOR TOTAL POWER SOLUTIONS

TECHNICAL SPECIFICATION



MODEL	AOU 100	AOU 150	AOU 200	AOU 300	AOU 400	AOU 500	AOU 750	AOU 1000
Input								
Input Voltage	140-275V AC							
Input Frequency	45-65 Hz							
Power Factor	0.8							
Output								
Output voltage	220 V AC \pm 1%							
Rated Power	1000VA	1500VA	2000VA	3000VA	4000VA	5000VA	7.5KVA	10 KVA
Active Power	800 W	1200W	1600W	2400W	3200W	4000W	6000W	8000W
Output Wave Form	Pure Sine Wave							
Output Frequency	50/60 Hz							
Crest Factor	3:1							
Transfer Time	0 (Zero)							
Technology	True Online Double Conversion							
Battery Recharging	6 - 8 Hrs.							
Charging Mode	Continuous Voltage Plus Trickle							
Protection	Transient, Lightning, Spike, SAG, Surge, Blackouts, Burnouts, Noise, (EMI & RFI) Overload, Short Circuit, Under & Over Voltage, Battery Low & Battery Overcharge, As Per International Safety Standard							
Noise (EM/RFI) Filter	Bult-in							
Alarm Mode	Two State Audible							
Audible Alarms	DC Mode, Low Battery, Over/Under Voltage, Over/Under Frequency, Overload Alarm & High Temperature							
Operating Temp	5°C - 45°C							
Operating Humidity	10-90% RH							
Interface	Computer RS-232							
SERIES								
	AOU (VA)	AOU (VA)M	ACU (VA)L	AOU (VA)XL	AOU (VA) XXL			
Backup time at full load	15 Min	30 Min	60 Min	120 Min	240 Min			
Backup time at half load	30 Min	60 Min	120 Min	240 Min	480 Min			
Battery Type	SMF	SMF	SMF / Industrial	SMF / Industrial	SMF / Industrial			

**** Product Characteristics can be customized to meet client specifications.



ARK POWER LIMITED
FOR TOTAL POWER SOLUTIONS

TECHNICAL SPECIFICATION



MODEL	AOU10	AOU20	AOU30	AOU40	AOU60	AOU80				
Capacity (VA/Watts)	10KVA/9kW	20KVA/18kW	30KVA/27kW	40KVA/36kW	60KVA/54kW	80KVA/72kW				
INPUT										
Operating voltage range	380/400/415Vac (380-25%, 415+20%), 3Ph+N+PE)									
Operating frequency range	50/60Hz (=5Hz)									
Power factor	>0.97(with filter)									
OUTPUT										
Output voltage	380/400/415Vac(±1%)									
Output frequency	50/60Hz (±0.05%)									
Harmonic distortion (THD)	<3% (linear load)									
Crest factor	3:1 (Max.)									
Efficiency	>89%	>90%	>91%		>92%					
BYPASS										
Rated voltage	380/400/415Vac									
Rated frequency	50/60Hz									
BATTERY										
Battery voltage	384Vac									
SYSTEM FEATURES										
Transfer time	0ms (Line mode --Battery mode)									
Overload	110%/60min, 125%/10min, 150%/1min									
Communication interface	LCD display, LED indication, Dry contact, RS232, RS485, SNMP card (Optional)									
Optional	Harmonic filter, SNMPadapter, LBS cables, battery temperature sensor, Bypass current-sharing inductor									
ENVIRONMENTAL										
Operating temperature	0-40°C									
Storage temperature	-25 °C-55°C									
Humidity range	0-95% (non-condensing)									
Altitude	<1500m									
Noise level	<60dB			<65dB						
PHYSICAL										
Dimension W x D x H (mm)	570 x 800 x 1195				880 x 760 x 1600					
MODEL	AOU100	AOU120	AOU160	AOU200	AOU300	AOU400	AOU500	AOU600	AOU800	
Capacity (VA/Watts)	100kVA / 90kW	120kVA / 108kW	160kVA / 144kW	200kVA / 180kW	300kVA / 270kW	400kVA / 360kW	500kVA / 450kW	600kVA / 540kW	800kVA / 720kW	
INPUT										
Operating voltage range	380/400/415Vac (-25% +20%), 3Ph+N+PE)									
Operating frequency range	50/60Hz (+5Hz)									
Power factor	>0.97 (with filter)									
OUTPUT										
Output voltage	380/400/415Vac/(+1%)									
Max. output current	152A	182A	243A	304A	456A	608A	760A	912A	1216A	
Output frequency	50/60Hz (=0.05#)									
Harmonic distortion (THD)	<2% (linear load)									
Crest factor	3:1 (max)									
Efficiency	>192%	>192%	>192%	>192.5%	>93%	>94%	<95%	<95%	<96%	
BYPASS										
Rated voltage	380/400/415Vac									
Rated frequency	50/60Hz (auto-sensing)									
BATTERY										
Battery voltage	364Vdc				480Vdc					
SYSTEM FEATURES										
Transfer time	0ms (Line mode--Battery mode)									
Overload	110%60min, 125%/10min, 150%/1min									
Communication interface	LCD Display, LED indication, Dry contact, RS232, RS485, SNMP Card (Optional)									
Optional	Harmonic filter, SNMP adapter, LBS cables, battery temperature sensor, Bypass current-sharing inductor									
ENVIRONMENTAL										
Operating temperature	0-40°C									
Storage temperature	-25°C-55°C									
Humidity range	0-95% (non-condensing)									
Altitude	<1500m									
Noise level	<65dB				<70dB					
PHYSICAL										
Dimension W x D x H (mm)	1160 x 805 x 1600(6P) 1520 x 830 x 1600(12P)	1400 x 945 x 1900(6P) 1640 x 1040 x 1900(12P)	1640 x 1040 x 1900(6P) 1760 x 1040 x 1900(12P)	2800 x 1040 x 1900(12P)	3900 x 1100 x 1950(12P)					



ARK POWER LIMITED
FOR TOTAL POWER SOLUTIONS