

AR660 20KVA~400KVA



With extendable capacity up to 400KVA/320KW in each closet and full DSP control technology, AR660 series is the third generation of three phase high frequency modular UPS. All internal modules (power module, charger module and monitor module) are modularly designed and hot swappable. In addition, they are constructed with small modules, assuring both system compactness and reliability. Its full isolation design between fragile components and air flue makes the best of combination of reliability, functionality and flexibility. Moreover, this system adopts advanced "N+X" wireless parallel and redundancy technology, avoiding single point failure, and further strengthening the reliability.

Features

- High frequency online double-conversion with DSP control
- Hot swappable operation for all modules
- Inbuilt integrated PDU system, easy installation and economic initial investment
- Wide input voltage range, 50Hz/60Hz frequency self-adaptable
- Support two modes of frequency conversion: 50Hz input/60Hz output and 60Hz input/50Hz output
- Input power factor >0.99, input THDi 3%, output THDv 3%
- Advanced "N+X" wireless parallel and redundancy technology easily set up different numbers of redundancy
- UPS module via LCD
- Inbuilt battery module available, 40*12V/9AH for each module
- Share battery pack in parallel operation, saving user's battery cost
- System capacity up to 400KVA/320KW constructed by each module 20KVA/16KW, single charger module be equipped with 30A charging current, 4 modules be configured maximally
- Flexible charger parameter and battery configuration setting, selectable battery number: 32 pcs /34 pcs /36 pcs /38 pcs /40 pcs
- Advanced intelligent battery management technique, prolong the working life of battery effectively
- Support battery cold start and mains supply self-starting
- Completely isolation design between fragile components and air flue, improving the system reliability greatly
- Fragile components been replaced as module easily at low maintenance cost
- Front door operation, available for top and bottom terminal connection
- Perfect protection for hardware and software (C class lightning protection, circuit breaker, fuse, software and hardware protection), robust self detection, abundant event log for future check
- 5.7 inches LCD touch screen, friendly human & machine interface
- Standard emergency power off (EPO)
- Standard RS232/USB/RS485/Dry contact communication port
- Optional SNMP communication port
- Optional battery temperature compensation
- Optional 1+1 parallel

Specifications

MODEL	AR6680	AR66160	AR66200	AR66400
Capacity	20KVA-80KVA	20KVA-160KVA	20KVA-200KVA	20KVA-400KVA
Numbers of Parallel Module	1-4	1-8	1-10	1-20
Numbers of Redundancy Module	0-3	0-7	0-9	0-19
UPS Power Module	20KVA/16KW			
INPUT				
Rated Voltage	380V/400V/415VAC			
Voltage Range	204-520VAC(Load<=50%); 242-520VAC(50%<Load<=70%); 277V-520VAC(70%<Load<=100%)			
Rated Frequency	50/60Hz Auto Sensing			
Frequency Range	40-70Hz			
Power Factor	>=0.99			
Total Harmonic Distortion (THDi)	<=3%			
Bypass Voltage Range	Rated output voltage-40%- Rated output voltage+20%(Setting available via LCD)			
OUTPUT				
Voltage	380V/400V/415VAC			
Voltage Regulation	±1%			
Frequency	Synchronized with utility on AC mode; 50/60Hz±0.1% on battery mode			
Waveform	Pure sine wave			
Crest Factor	3:1			
Total Harmonic Distortion(THDV)	<=1%(Linear load);<=3%(Non-linear load)			
Transfer Time	AC mode to battery mode :0ms Inverter mode to bypass mode:0ms			
Inverter Overload Capability	110%-130%:Transfer to bypass after 10mins; 130%-150%:Transfer to bypass after 1mins; >150%: Transfer to bypass after 0.5s			
Bypass Overload Capability	150%: Long time running >150%: Power off after 10s			
BATTERY				
DC Voltage	±240V(Option:±190V/±204V/±215V/±228V)			
Inbuilt Battery of Standard Model	40*12V/9AH for each module			
Charger Current	1-30A/60A(Setting available via LCD)			1-60A/120A (Setting available via LCD)
SYSTEM				
Efficiency	>=93%			
Display Panel	5.7 Inches LCD touch screen			
Alarm	Battery mode, Battery voltage low, Fans fault etc			
Maximum Parallel numbers	2			
EMI	EN62040-2			
EMS	IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4(EFT) IEC61000-4-5(Surge)			
ENVIRONMENT				
Humidity	0~95% RH @ 0~40°C(non-condensing)			
Noise Level	<60dB			
MANAGEMENT				
Communication	RS232,RS485,USB,Dry contact Supports Windows 98/2000/2003/XP/Vista/2008/7/8			
Optional SNMP	Power management from SNMP manager and web browser			
PHYSICAL				
Module Dimensions(mm) W*D*H	482*590*131			
Module Weight	28kg/Power module , 27kg/Charger module ,7kg/Monitor module			
UPS Dimension(mm) W*D*H	600*1000*1600	600*1000*2000	1200*1000*2000	
UPS Packing Dimension(mm) W*D*H	700*1070*1760	700*1070*2160	700*1070*2160	
UPS Net/Gross Weight(kg)	225/245	290/310	280/300	560/600
Without Inbuilt Battery and Power Module				
Input/Output/Bypass breaker	Yes	Yes	No	No

All specifications subject to change without notice.
made specifications are acceptable-Custom