

# AgilePower™

## Uninterrupted Power Supply

>> Foundation of Digital Future



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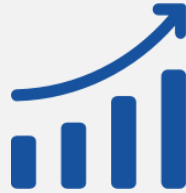
# Why Work with Attom

We are data center solution experts



## Quality

Products designed with heart featuring reliable quality and balanced cost to improve your business margin and performance.



## Speed

A professional team always standby with service spirit and quick response to support your business agility.



## Flexibility

Fully customizable as per your requirements to build your own product solution and boost your own business.

## Certifications



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# Uninterrupted Power Supply

## Attom UPS Series Brings More Choices

### Rack Mount UPS Series:

Voltage:208V/220V/230V/240V/380V/415V

Capacity Range:1~60kVA

- Standard 19" rack mount design
- Easy to install in a variety of racks
- Output PF:0.8-1.0



### Modular UPS Series:

Voltage:208V/230V/380V/400V/415V

Capacity Range:45-600kVA

- Hot-swappable
- Online dual-conversion
- Output PF: 1



### Tower UPS Series:

Voltage:400V

Capacity Range:10-200kVA

- ECO mode operation for energy saving
- Emergency power off function (EPO)
- Output PF: 0.9-1.0



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# Uninterrupted Power Supply

## Rack Mount UPS

### Capacity Range: 1~60kVA IEC Type

The standard 19" rack mount design makes it easy to install in a variety of racks, similar to the appearance of IT equipment.



### Key Features:

- High-performance MCU control for higher reliability
- Output PF:0.8-1.0
- Ultra-wide voltage input range for harsh grid environments
- Multiple protection functions such as overload, short circuit, over voltage, under voltage and bypass
- Intelligent battery management features to extend battery life
- Online double-conversion UPS
- Support multiple voltage specifications: 220-240/380-415V
- Wide capacity range up to 60k in 4U space saving dimension.
- Powerful network management function, optional SNMP, providing a variety of monitoring methods. Standard RS232 interface

# Uninterrupted Power Supply

## Rack Mount UPS

Capacity Range: 1~60kVA IEC Power Type



Technical Data											
Model	U-001R11H	U-002R11H	U-003R11H	U-006R11H	U-010R11H	U-010R33H	U-015R33H	U-020R33H	U-030R33H	U-040R33H	U-060R33H
Capacity	1kVA	2kVA	3kVA	6kVA	10kVA	10kVA	15kVA	20kVA	30kVA	40kVA	60kVA
Parallel*	-	-	-	3	3	3	3	3	3	3	3
Input											
Input Phase	1	1	1	1	1	3	3	3	3	3	3
Voltage	208/220/230/240Vac					380/400/415Vac					
Acceptable Voltage Range	160-300Vac	160-300Vac	160-300Vac	110-300Vac		208-478Vac					
Frequency Range	40-70Hz	40-70Hz	40-70Hz	46-54Hz or 56-64Hz		40-70Hz					
Input Power Factor	≥0.99	≥0.99	≥0.99	≥0.99	≥0.99	≥0.99	≥0.99	≥0.99	≥0.99	≥0.99	≥0.99
Output											
Output Phase	1 Phase	1 Phase	1 Phase	1 Phase	1 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase
Output Voltage	208/220/230/240Vac					380/400/415Vac					
Output Power Factor	0.8	0.8	0.8	1	1	1	1	1	1	1	1
Voltage Regulation	±1%										
Current Crest Ratio	3:01										
frequency	50/60Hz										
Harmonic Distortion	≤3%(100% linear load)					≤1%(100% linear load)					
Efficiency											
AC Mode	89%	90%	90%	94%	94%	95.50%	95.50%	95.50%	95.50%	95.50%	95.50%
Battery											
Battery Voltage	24/36Vdc	48/72Vdc	72/96Vdc	240Vdc		240Vdc	384-480VDC				
Charging Current	1A Max	1A Max	4A Max.			12A Max.				16A Max.	
Common Battery	-	-	-	Support	Support	Support	Support	Support	Support	Support	Support
Environment											
Operational Condition	0-40C, 0-95%RH (no condensing)										
Physical											
Dimension (W*D*H) mm	310*438*88 (2U)	438*410*88(2U)		438*600*88(2U)		438*680*133(3U)			438*797*176(4U)		
Weight	9kg	12kg	14kg	15kg	18kg	27kg	30kg	30kg	32kg	40kg	45kg
Management											
Monitoring	RS232, Optional SNMP										

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# Uninterrupted Power Supply

## Rack Mount UPS

### Capacity Range: 3~5kVA IEC Type for Lithium

The standard 19" rack mount design makes it easy to install in a variety of racks, similar to the appearance of IT equipment.



### Key Features:

- High-performance MCU control for higher reliability
- Output PF: 1.0
- Ultra-wide input range for harsh grid environments
- Multiple protection functions such as overload, short circuit, over voltage, under voltage and bypass
- Special 48Vdc system suitable for 48Vdc Lithium battery pack.
- Online double-conversion UPS
- Support multiple voltage specifications: 220/230/240V
- Parallel working up to 9 units in one group.
- Powerful network management function, optional SNMP , Modbus, providing a variety of monitoring methods. Standard RS232 interface

# Uninterrupted Power Supply

## Rack Mount UPS

Capacity Range: 3~5kVA IEC Type for Lithium



Technical Data		
<b>IEC Power Lithium Type UPS Single Phase</b>		
<b>Model</b>	<b>U-003R11E</b>	<b>U-005R11E</b>
Capacity	3kVA	5kVA
<b>Input</b>		
Input Phase	1	
Voltage	208/220/230/240Vac	
Acceptable Voltage Range	160-300Vac	110-300Vac
Frequency Range	40-70Hz	46-54Hz or 56-64Hz
Input Power Factor	≥0.99	
<b>Output</b>		
Output Phase	1 Phase	
Output Voltage	208/220/230/240Vac	
Output Power Factor	1.0	1.0
AC Voltage Regulation	±1%	
Current Crest Ratio	3:1	
frequency	50/60Hz	
Harmonic Distortion	≤3%(100% linear load)	
<b>Efficiency</b>		
AC Mode	93.5%	94%
<b>Battery</b>		
Battery Voltage	48Vdc	48Vdc
Charging Current	50A Max.	
<b>Environment</b>		
Operational Condition	0-40C, 0-95%RH (no condensing)	
<b>Physical</b>		
Dimension (W*D*H) mm	438*420*131(3U)	438*420*131(3U)
Weight	13kg	13kg
<b>Management</b>		
Monitoring Access	RS232, Optional SNMP	

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# Uninterrupted Power Supply

## Rack Mount UPS

### Capacity Range: 3~25kVA US Power Type

The standard 19" rack mount design makes it easy to install in a variety of racks, similar to the appearance of IT equipment.



### Key Features:

- High-performance MCU control for higher reliability
- Output PF: 0.9-1.0
- Ultra-wide input range for harsh grid environments
- Multiple protection functions such as overload, short circuit, over voltage, under voltage and bypass
- Intelligent battery management features to extend battery life
- Online double-conversion UPS
- Support multiple voltage specifications: 120V single phase, 240V split, and 208V 3 phase.
- Parallel working up to 10units in one group.
- Powerful network management function, optional SNMP , Modbus, providing a variety of monitoring methods. Standard RS232 interface



# Uninterrupted Power Supply

## Rack Mount UPS

Capacity Range: 3~25kVA US Power Type



Technical Data					
<b>120/208/240V US Power Type Series</b>					
Model	U-003R11U	U-006R22U	U-010R33U	U-020R33U	U-025R33U
Capacity	3kVA	6KVA	10KVA	20KVA	25KVA
<b>Input</b>					
Input Phase	1	2	3	3	3
Voltage	100/110/115/120/127Vac	120/208Vac, 120/240Vac	120/208Vac	120/208Vac	120/208Vac
Acceptable Voltage Range	60-150Vac (L/N)	88-155 Vac (L/N)	88-155 Vac (L/N)	88-155 Vac (L/N)	88-155 Vac (L/N)
Frequency Range	40-70Hz	40-70Hz			
Input Power Factor	≥0.99	≥0.99			
<b>Output</b>					
Output Phase	1 Phase	2	3	3	3
Output Voltage	100/110/115/120/127Vac	120/208Vac, 120/240Vac	208/220Vac	208/220Vac	208/220Vac
Output Power Factor	0.9	1	0.8	0.9	0.9
AC Voltage Regulation	±1%	±1%			
Current Crest Ratio	5:1	3:1			
frequency	50/60Hz	50/60Hz			
Harmonic Distortion	≤3%(100% linear load)	≤2%(100% linear load)			
<b>Efficiency</b>					
AC Mode	90%	91%	92%	95%	95.5%
<b>Battery</b>					
Battery Voltage	72Vdc	±96/120Vdc		±96/120Vdc	±96/120Vdc
Charging Current	1.0A Max.	±4A		±5A	±6A
<b>Environment</b>					
Operational Condition	0-40C, 0-95%RH (no condensing)		0-40C, 0-95%RH (no condensing)		
<b>Physical</b>					
Dimension (W*D*H) mm	438*630*88(2U)	418*678*129 (3U)	418*678*129 (3U)	438*700*174 (4U)	438*700*174 (4U)
Weight	16kg	17.6kg	21kg	45kg	45kg
<b>Management</b>					
Monitoring Access	RS232, Optional SNMP				

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# Uninterrupted Power Supply

## AVR Line-interactive UPS

### Capacity Range: 850VA-2kVA

Line-interactive UPS systems use automatic voltage regulation (AVR) to correct abnormal voltages without switching to battery. The UPS detects when voltage crosses a preset low or high threshold value and uses transformers to boost or lower the voltage by a set amount to return it to the acceptable range.



### Key Features:

- LCD display or LED display for option.
- Excellent microprocessor.
- Control optimizes reliability.
- Built super smart charger, shorten charging time.
- Power-on self test.
- Built-in self-diagnostic function.
- Off mode charging function.
- Intelligent battery management.
- Boost and buck AVR for voltage stabilization.

# Uninterrupted Power Supply

## AVR Line-interactive UPS

### 120V/220V 1P Series



MODEL	U-E08A11	U-E10A11	U-E15A11	U-E20A11
Capacity	850VA/480W	1000VA/600W	1500VA/900W	2000VA/1200W
<b>INPUT</b>				
Voltage	110/120 VAC or 220/230/240 VAC	110/120 VAC or 220/230/240 VAC	110/120 VAC or 220/230/240 VAC	110/120 VAC or 220/230/240 VAC
Voltage Range	81-145VAC or 140-300VAC	81-145VAC or 140-300VAC	81-145VAC or 140-300VAC	81-145VAC or 140-300VAC
Frequency Range	60/50 Hz (auto)	60/50 Hz (auto)	60/50 Hz (auto)	60/50 Hz (auto)
<b>OUTPUT</b>				
Voltage	110/120 VAC or 220/230/240 VAC	110/120 VAC or 220/230/240 VAC	110/120 VAC or 220/230/240 VAC	110/120 VAC or 220/230/240 VAC
AC Voltage Regulation (Bat Mode)	±10%	±10%	±10%	±10%
Frequency Range (Bat Mode)	60Hz or 50Hz ± 1Hz	60Hz or 50Hz ± 1Hz	60Hz or 50Hz ± 1Hz	60Hz or 50Hz ± 1Hz
Transfer time	Typical 2-6ms	Typical 2-6ms	Typical 2-6ms	Typical 2-6ms
Waveform (Bat Mode)	Simulated Sine Wave	Simulated Sine Wave	Simulated Sine Wave	Simulated Sine Wave
<b>BATTERY</b>				
Battery Type & Number	12V/9Ah*1	12V/7Ah*2	12V/9Ah*2	12V/9Ah*2
Charging ability	4-6 hours recover to 90% capacity	4-6 hours recover to 90% capacity	4-6 hours recover to 90% capacity	4-6 hours recover to 90% capacity
<b>PROTECTION</b>				
Full Protections	Short circuit & overload, Bat. discharge & overcharge, Surge protection	Short circuit & overload, Bat. discharge & overcharge, Surge protection	Short circuit & overload, Bat. discharge & overcharge, Surge protection	Short circuit & overload, Bat. discharge & overcharge, Surge protection
<b>INDICATIONS</b>				
AC Mode	Green lighting	Green lighting	Green lighting	Green lighting
Battery Mode	Yellow flashing	Yellow flashing	Yellow flashing	Yellow flashing
Fault	Red lighting	Red lighting	Red lighting	Red lighting
Battery mode	Sounding every 10 seconds	Sounding every 10 seconds	Sounding every 10 seconds	Sounding every 10 seconds
Low battery	Sounding every second	Sounding every second	Sounding every second	Sounding every second
Overload	Sounding every 0.5 seconds	Sounding every 0.5 seconds	Sounding every 0.5 seconds	Sounding every 0.5 seconds
Battery Replacement Alarm	Sounding every 2 seconds	Sounding every 2 seconds	Sounding every 2 seconds	Sounding every 2 seconds
Fault	Continuously sounding	Continuously sounding	Continuously sounding	Continuously sounding
<b>PHYSICAL</b>				
Dimension, D*W*H(mm)	320*90*150	370*135*165	370*135*165	370*135*165
Net Weight (kgs)	5.8	9	10.5	11.3
QTY/20FT	1600PCS with Pallet	960PCS with Pallet	960PCS with Pallet	960PCS with Pallet
QTY/40GP	3360PCS with Pallet	2016PCS with Pallet	2016PCS with Pallet	2016PCS with Pallet
<b>ENVIRONMENT</b>				
Temperature & Humidity	0-90%RH / 0-40°C (Non-condensing)	0-90%RH / 0-40°C (Non-condensing)	0-90%RH / 0-40°C (Non-condensing)	0-90%RH / 0-40°C (Non-condensing)
Noise Level	≤40dB	≤40dB	≤40dB	≤40dB
<b>COMMUNICATIONS</b>				
RS232	Supported	Supported	Supported	Supported
USB	Supported	Supported	Supported	Supported
SNMP	Optional	Optional	Optional	Optional

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

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# Uninterrupted Power Supply

## Rack Mount Modular UPS

### Capacity Range: 20~200kVA

Modular UPS is a hot-swappable, highly scalable online dual-conversion product that uses advanced IGBT three-level conversion and dual DSP control technology for high ease of use and reliability.



### Key Features:

- compatible with 19" standard rack cabinet, convenient to be integrated into server cabinet
- Output PF: 1
- 7" touch color LCD, more information displayed and easier for customer to operate
- 10/15/25kVA power module in 2U/3U height, saving great amount of space
- System can intelligently shut down some power modules to increase total load rate, achieving higher efficiency
- Modular design, support for hot swap

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# Uninterrupted Power Supply

## Rack Mount Modular UPS - Hot Swappable



### Technical Data

400V 3P Series IEC						208V 3P Series US Power						
Model	U-045M33H	U-060M33H	U-090M33H	U-150M33H	U-200M33H	U-020M33U	U-030M33U	U-050M33U	U-090M33U	U-120M33U	U-150M33U	
Host Capacity	45kVA	60kVA	90kVA	150kVA	200kVA	20kVA	30kVA	50kVA	90kVA	120kVA	150kVA	
<b>Input</b>												
Input Phase	3 Phase					3 Phase						
Voltage	380/400/415Vac					208/230Vac						
Acceptable Voltage Range	304 ~ 478VAC: 100% load, 304 ~ 228VAC Linear derating between 100% and 75% load					187~260Vac (Line-Line),full load; 125V~187Vac (Line-Line), load derated linearly						
Frequency Range	40-70Hz					40-70Hz						
Input Power Factor	≥0.99					≥0.99						
<b>Output</b>												
Output Phase	3 Phase					3 Phase						
Output Voltage	380/400/415Vac					208/220Vac						
Output Power Factor	1					1						
AC Voltage Regulation	±1%					±1%						
Current Crest Ratio	3:1					3:1						
frequency	50/60Hz					50/60Hz						
Transfer Time	AC mode to Battery mode: 0ms; Inverter mode to bypass mode: 0ms					AC mode to Battery mode: 0ms; Inverter mode to bypass mode: 0ms						
Overload	Loads≤110%, 60min; ≤125%, 10min; ≤150%, 1min; >150%, to bypass;					110% for 10 min; 125% for 1 min; 150% for 30 s; >150% for 200ms						
Harmonic Distortion	≤1%(100% linear load), ≤6%(100% nonlinear load)					THD<1% (linear load) , THD<5.5% (non-linear load)						
<b>Efficiency</b>												
AC Mode	95.5%					95.5%		94%	94%	93.0%		
<b>Power module</b>												
Module capacity	15KVA	10KVA	15KVA	25KVA	25KVA	10kVA			15kVA	15kVA	15kVA	
Maximum number of modules	3	6	6	6	8	2	3	5	6	8	10	
<b>Battery</b>												
Battery Voltage	±192/±204/±216/±228/240/264Vdc					±96Vdc/±120Vdc						
Charging power	20%*System Power					20%*System Power						
<b>Environment</b>												
Operational Condition	0-40C, 0-95%RH (no condensing)					0-40C, 0-95%RH (no condensing)						
Noise	56dB @ 100% load			65dB @ 100% load		58dB @ 100% load						
<b>Physical</b>												
Dimension (W*D*H) mm	Host	485*751*485 (11U)	485*751*928 (21U)	485*751*928 (21U)	482*916*840 (19U)	482*916*1550 (35U)	485*697*398 (7U)	485*751*575 (11U)	485*751*1033 (23U)	482*916*931 (21U)	482*916*1550 (35U)	600*1100*2000 (42U)
	Module	436*590*85 mm(2U)			436*677*85(2U)		436*590*85(2U)			436*677*85(2U)		460*790*134(3U)
Weight (kg)	Host	119	175	175	224	344	42	52	85	140	160	165
	Module	15.3	15.9	15.9	18	18	16			18		32

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# Uninterrupted Power Supply

## Floor Modular UPS

### Capacity Range: 25~600kVA

The modular UPS designed to protect any critical load for medium and larger data center achieving maximum availability. This series feature the latest technology of 3-level technology and PFC input control, which guarantees high efficiency of 95% and ultra-reliability, making it an excellent choice for medium and larger facilities.



### Key Features:

- Each power module has an independent LCD, gives users' direct overview of status data and alarms in real time.
- Output PF: 0.9/1
- 7" touch color LCD, more information displayed and easier for customer to operate
- 25~50kVA high power module, saving great amount of space
- System can intelligently shut down some power modules to increase total load rate, achieving higher efficiency
- Modular design, support for hot swap

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# Uninterrupted Power Supply

## Modular UPS

### 400V 3P Series



Technical Data							
Model	U-150M33H	U-250M33H	U-300M33H	U-400M33H	U-500M33H	U-600M33H	
Host Capacity	150kVA	250kVA	300kVA	400kVA	500kVA	600kVA	
<b>Input</b>							
Input Phase	3 Phase						
Voltage	380/400/415Vac						
Acceptable Voltage Range	304 ~ 478VAC: 100% load, 304 ~ 228VAC Linear derating between 100% and 75% load						
Frequency Range	40-70Hz						
Input Power Factor	≥0.99						
<b>Output</b>							
Output Phase	3 Phase						
Output Voltage	380/400/415Vac						
Output Power Factor	1.0						
AC Voltage Regulation	±1%						
Current Crest Ratio	3:1						
frequency	50/60Hz						
Transfer Time	AC mode to Battery mode: 0ms; Inverter mode to bypass mode: 0ms						
Overload	Load≤110%, 60min; ≤125%, 10min; ≤150%, 1min; >150%, 200ms to bypass;						
Harmonic Distortion	≤1%(100% linear load), ≤5%(100% nonlinear load)						
<b>Efficiency</b>							
AC Mode	> 95%			> 96%			
<b>Power module</b>							
Module capacity	25KVA	25KVA	30KVA	40KVA	50KVA	30KVA	
Maximum number of modules	6	10	10	10	10	20	
<b>Battery</b>							
Battery Voltage	±192/±204/±216/±228/240/264Vdc						
Charging power	20%*System Power						
<b>Environment</b>							
Operational Condition	0-40C, 0-95%RH (no condensing)						
Noise	72dB @ 100% load						
<b>Physical</b>							
Dimension (W*D*H) mm	Host	600*1100*1600	600*1100*2000		1300*1100*2000		2000*1050*2000
	Power Module	460*790*134			510*700*178		460*790*143
Weight (kg)	Host	178	242	242	450	460	660
	Power Module	33	33	34	44	45	33

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# Uninterrupted Power Supply

## Modular UPS

### 480V 3P Series



Technical Data					
Model	U-080M33V	U-240M33V	U-240M33V	U-400M33V	
Host Capacity	80kVA	240kVA	320kVA	400kVA	
<b>Input</b>					
Input Phase	3 Phase				
Voltage	480Vac				
Acceptable Voltage Range	384 ~ 528VAC: 100% load, 288 ~ 384VAC linear derating				
Frequency Range	40-70Hz				
Input Power Factor	≥0.99				
<b>Output</b>					
Output Phase	3 Phase				
Output Voltage	380/400/415Vac				
Output Power Factor	1.0				
AC Voltage Regulation	±1%				
Current Crest Ratio	3:1				
frequency	50/60Hz				
Transfer Time	AC mode to Battery mode: 0ms; Inverter mode to bypass mode: 0ms				
Overload	Load≤110%, long run; ≤125%, 5min; ≤150%, 1min; >150%, 300ms to bypass;				
Harmonic Distortion	≤3%(100% linear load)				
<b>Efficiency</b>					
AC Mode	> 96%				
<b>Power module</b>					
Module capacity	40KVA	40KVA	40KVA	40KVA	
Maximum number of modules	2	6	8	10	
<b>Battery</b>					
Battery Voltage	±240Vdc				
Charging power	20%*System Power				
<b>Environment</b>					
Operational Condition	0-40C, 0-95%RH (no condensing)				
Noise	72dB @ 100% load				
<b>Physical</b>					
Dimension (W*D*H) mm	Host Cabinet	600*980*1150	600*980*2000	1050*1100*2000	1300*1100*2000
	Power Module	510*700*178			
Weight (kg)	Host Cabinet	120	220	350	450
	Power Module	44			

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# Uninterrupted Power Supply

## Tower Type UPS, 3-phase in / 3-phase out

### Capacity Range: 10~200kVA

Designed in small footprints with DSP technology and active input power factor correction design to ensure better output voltage conditions, power quality and power performance at all times..



### Key Features:

- True double-conversion
- DSP technology guarantees high performance
- High power factor: 0.9-1.0
- Active power factor correction in all phases 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Emergency power off function (EPO)
- SNMP+USB+RS-232 multiple communications
- 3 -stage extendable charging design for optimized battery performance
- Adjustable battery numbers for long-run model
- Maintenance bypass available
- Optional parallel operation up to 4 units
- 7" touch LCD panel
- Optional Isolation transformer

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# Uninterrupted Power Supply

## Tower Type UPS

### 400V 3P Series



Technical Data										
Model	U-020T33HM	U-030T33HM	U-040T33HM	U-060T33HM	U-080T33HM	U-100T33HM	U-120T33HM	U-160T33HM	U-200T33HM	
Capacity	20kVA	30kVA	40kVA	60kVA	80kVA	100kVA	120kVA	160kVA	200kVA	
<b>Input</b>										
Input Phase	3 Phase									
Voltage	3 x 400 VAC									
Acceptable Voltage Range	190-520 VAC (3-phase) @ 50% load ; 305-478 VAC (3-phase) @ 100% load									
Frequency Range	40-70 Hz									
Input Power Factor	≥ 0.99 @ 100% Load									
<b>Output</b>										
Output Phase	3 Phase									
Output Voltage	3 x 360*/380/400/415 VAC									
Output Power Factor	0.9									
AC Voltage Regulation	±1%									
Current Crest Ratio	3:1									
frequency	50/60Hz									
Transfer Time	0									
Overload	AC Mode: 100-110% for 60 min, 110-125% for 10 min, 125-150% for 1 min, >150% 400ms									
Harmonic Distortion	≤ 1% THD (Linear Load) ; ≤ 3% THD (Non-linear Load)				≤ 2% THD (Linear Load) ; ≤ 4% THD (Non-linear Load)					
Parallel Capacity	4				2					
<b>Efficiency</b>										
AC Mode	96%				94%					
ECO Mode	99%				98%					
Battery Mode	96%				93%					
<b>Battery</b>										
Battery Voltage - Vdc	±192~240				±192~240					
Charging Current - A	1-12	1-16	2-32	24	32	40	48			
<b>Environment</b>										
Operational Condition										
Noise Level	<60dB@1 meter	< 63dB@1 meter	< 65dB@1 meter	< 70dB@1 meter	< 73dB@1 meter					
<b>Physical</b>										
Dimension (W*D*H) mm	250*630*827	300*815*1000	360*790*1010	567*940*1015	567*1040*1452					
Weight - kg	40	65	67	110	116	199	234	306	340	
<b>Management</b>										
Monitoring Access	RS232 or Optional SNMP									

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# Battery System

## VRLA Battery

VRLA battery (valve-regulated lead-acid battery) is a lead acid rechargeable battery because of their design, and does not require regular addition of water, also vent less gas than flooded lead-acid batteries.



### Key Features:

- VRLA batteries are designed with AGM (Absorbent Glass Mat) technology, high performance plates and electrolyte to give extra power output for common power backup system.
- VRLA Batteries are the general purpose batteries with 10 years floating design life at 25C.
- Meeting with IEC, BS, JIS and Eurobat, UL(MH62092), and CE standard.

Technical Data										
Model	12V9AH-08	12V9AH-16	12V9AH-20	12V9AH-40	12V24AH	12V40AH	12V65AH	12V100AH	12V150AH	12V200AH
Module Type	Battery Pack	Battery Pack	Battery Pack	Battery Pack	Battery Cell	Battery Cell	Battery Cell	Battery Cell	Battery Cell	Battery Cell
Nominal Voltage	96Vdc	192Vdc	240Vdc	480Vdc	12V	12V	12V	12V	12V	12V
Capacity(10h)	9Ah x8	9Ah x16	9Ah x20	9Ah x40	24Ah	40Ah	65Ah	100Ah	150Ah	200Ah
Dimension (WxDxH mm)	436x638x88	436x668x88	436x668x132	436x668x176	165x126x174	198x166x174	350x167x178	331x174x240	484x171x241	522x240x224
Weight (kg)	28	48	56	90	8.1	13	20.5	30	44	60

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## VRLA Battery Cabinet

AP series VRLA battery a modular design battery housing system with strong steel-frame, safe anti-leaking battery tray, and battery breakers box. The unique design supports flat-pack shipment for easier transportation.



Technical Data		
Model	AP20	AP40
Capacity	20x 100AH   20x 65AH   40x 38AH   60x 24AH   88x 17AH Batteries	40x 100AH   40x 65AH   80x 38AH   120x 24AH   176x 17AH
Dimension (W x D x H mm)	505*1040*1112	992*1040*1112
Weight (kg)	53	95

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