



# EDGEWORKS

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Redefined Efficiency

# 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

# 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								

# Power Distribution System

## Rack PDU

Rack PDU( Power Distribution Unit) provide power distribution, management and monitoring capabilities directly to IT equipment, It has been widely applied in data centers.

Attom PDU organized into the following four categories: Basic PDU, Metered PDU, Monitored PDU and Managed PDU.



### Key Features:

- Support rack-mounted and vertical-mounted in cabinet;
- The maximum number of sockets is 42 bits, supporting various socket types such as IEC, BS, NEMA, GB, etc;
- Maximum input current 63A, support one-phase, two-phase, three-phase and other voltage input specifications;
- With environmental monitoring, power monitoring, control, management, lightning protection and other functions;
- Full metal housing design, and has passed strict safety test, safe and reliable.



# Power Distribution System

## Rack PDU



### Technical Data

Model	Basic PDU	Metered PDU	Monitored PDU	Managed PDU
<b>General data</b>				
input current	10~63A			
input voltage	110~460Vac			
input phase	1phase, 2phase, 3phase			
output sockets NO.	6~42			
output sockets type	IEC, BS, NEMA, GB			
Installation method	rack-mounted / vertical-mounted			
Shell material	sheet metal			
<b>Main functions</b>				
monitoring	-	-	●	●
switching	-	-		●
energy metering	-	●	●	●
system settings	-	-	●	●
alarm notification	-	●	●	●
breaker status monitoring	-	●	●	●
remote firmwave upgrade	-	-	●	●
event and data logs	-	-	●	●
multiple network and security protocols	-	-	●	●
display	-	●	●	●
adjustable display direction	-	-	●	●
feature extension port	-	-	●	●
Temperature & humidity/somke/water leakage/door contact and logical ports	-	-	●	●
power cut-off protection when overload	-	-	-	●
acces mode	-		SNMP V1,V2,V3, Telnet, Modbus	

### Applicable socket type



IEC 320 C13



IEC 320 C19



AS/NZS-10A



AS/NZS-15A



NBR 14136



GB 1002/10A



GB 1002/16A



SR 107-2-D1



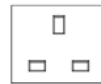
SR 107-2-D1



NF-C61-314



INDIA SOCKET



BS 1363(90°)



NEMA 5-15R



NEMA 5-20R



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# Battery System

## Lithium-iron Battery Module | UPS Type



- ❑ Multiple monitoring and protection, optional cabinet-level fire protection system
- ❑ Accurate fault identification, intelligent fault prediction
- ❑ Compact size in-rack design. High performance, high efficiency
- ❑ Complete power configuration flexible capacity expansion and transformation
- ❑ Multi-scenario applications in modes such as peak-shaving and valley-filling, emergency backup power, etc.

### Technical Data

Model	B-025192RL	B-050192RL	B-100192RL	B-100240RL	B-050512RL	B-100512RL
Mount Type	In-Rack	In-Rack	In-Rack	In-Rack <sup>**1</sup>	In-Rack	In-Rack
Height in RU	4U	12U	16U	19U	26U	36U
Module Type	LFP	LFP	LFP	LFP	LFP	LFP
Nominal Voltage	204.8Vdc	204.8Vdc	204.8Vdc	+/-128Vdc	512Vdc (±256Vdc)	512Vdc (±256Vdc)
Max. Discharge	4C@100A	4C@200A	2C@200A	2C@200A	4C@200A	2C@200A
Cycle Life	4000 times	4000 times	4000 times	4000 times	4000 times	4000 times
Nominal Power	5.12kWh	10.24kWh	20.48kWh	25.6kWh	25.6kWh	51.2kWh
Weight	60kg	130kg	190kg	220kg	350kg	460kg
Self-discharge	<3%/month	<3%/month	<3%/month	<3%/month	<3%/month	<3%/month
Communication	CAN, RS485	CAN, RS485	CAN, RS485	CAN, RS485	CAN, RS485	CAN, RS485
Environment	0-45C, <90% RH	0-45C, <90% RH	0-45C, <90% RH	0-45C, <90% RH	0-45C, <90% RH	0-45C, <90% RH

**Notes:**

1. "\*\*1" needs 800mm purposely designed cabinet for the battery installation.
2. Customizable according to customer requirements.

# 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

# Battery System

## 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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creating digital intelligence  
and a better future.

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to build foundation of  
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