

Arena 2U/3U



Arena 2U



Arena 3U

• True double-conversion

Arena series is applied online double conversion technology to effectively insulate against network disturbances and enable higher load uptime.

• Modular connector box with hot-swappable design for ease of power expansion, installation and maintenance

Arena is applied patented modular design to enhance the flexibility of power expansion and maintenance. By simply removing four screws on the connector box, power module can be easily removed out from cabinet without disconnecting all wires. It also simplifies the process of maintenance and replacement to reduce the maintenance cost effectively.



• Standard 19" form factor with tower/rack convertible design

Designed for easy adjustment, the vertical/horizontal conversion design enhances the flexibility and scalability of the modular UPS. 19" form factor suits for the standard rack so it optimizes cost expense to meet the power demands.



• Parallel operation with common battery

Compared to general parallel system, multiple Arena UPSs can form a parallel power backup system by sharing common battery packs which might greatly reduce the expense and reach the same performance.

• Adjustable battery design

The number of connected batteries can be adjusted flexibly based on different power demands.

• DSP technology guarantees high reliability

A Digital Signal Processor (DSP) technology digitizes the data and mathematically manipulates them to provide an improved solution with higher performance.

• Output power factor 1.0

For critical applications, the modular UPS with output power factor 1.0 ensures higher efficiency and advanced performance.

• 50Hz/60Hz frequency converter mode

Lock output frequency at 50Hz or 60Hz to suit power sensitive equipments.

• ECO mode operation for energy saving

ECO mode improves the efficiency up to 97% to cut energy usage & cost. In this mode, loads are supplied by the mains directly. While mains failure, the UPS will constantly supply the power to the connected device without any interruption.

• Emergency power off function (EPO)

In case of any emergency and fire, the EPO control mechanism can instantly shut down the system.

• Generator compatible

This UPS can accept generator as power source and still convert perfect power to the connected loads.

• Customized system (only available for Arena 3U)

Multiple Arena UPSs can easily form a complete system based on customer's demand. Please contact sales directly for the details.



Customized system			
Cabinet Height	17U		
Number of power module	4	2	1
Number of battery module	0	2	3

*This customized system will be embedded 1U centralized communication unit.

Arena 2U Online UPS Selection Guide

MODEL	Arena 3/3-6K	Arena 3/1-6K	Arena 1/1-6K	Arena 2/2-3K LV
PHASE	3 phase in / 3 phase out	3 phase in / 1 phase out	1 phase in / 1 phase out	2 phase in / 2 phase out
CAPACITY	6000 VA / 6000 W	6000 VA / 6000 W	6000 VA / 6000 W	3000VA / 3000W
PARALLEL CAPABILITY	10	10	10	10
INPUT				
Nominal Voltage	3 x 360VAC/380VAC/ 400VAC/415VAC (3Ph+N+PE)	3 x360VAC/380VAC/ 400VAC/415VAC (3Ph+N+PE)	208VAC/220VAC/230VAC/240VAC (1Ph+N+PE)	100/200, 110/220, 120/208, 120/240, 127/220 VAC (2P+N+PE)
Voltage Range	190-520 VAC (3-phase) @ 50% load 305-478 VAC (3-phase) @ 100% load		110-300 VAC @ 50% load 176-276 VAC @ 100% load	88-155 VAC (L-N) 152- 269 VAC (L-L)
Frequency Range	40 Hz ~ 70 Hz			
Power Factor	≥ 0.99 @ 100% load			
THDi	< 4% @ full linear load			
OUTPUT				
Output Voltage	360VAC/380VAC/ 400VAC/415VAC (3Ph+N)	208*/220/230/240VAC(L+N)	208*/220/230/240VAC(L+N)	100/200, 110/220, 120/208, 120/240, 127/220 VAC (2P+N)
AC Voltage Regulation (Batt. Mode)	± 1%			
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz			
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Current Crest Ratio	3:1 (max.)			
Harmonic Distortion	≤ 2% THD (Linear Load) ; ≤ 3% THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	zero		
	Inverter to Bypass	zero		
Waveform (Batt. Mode)	Pure Sinewave			
EFFICIENCY				
AC Mode	94%	94%	93.5%	91%
ECO Mode	97%	97%	97%	97%
Battery Mode	At Full Load	93%	92.5%	91%
	Peak	93.5%	93%	92.5%
BATTERY CHARGER				
Battery Voltage	± 12V / 9 Ah			
Battery Numbers	12 pcs x 2	12 pcs x 2	12 pcs x 2	6 pcs x 2
Nominal Voltage	+/-144V (12V x 24 pcs)	+/-144V (12V x 24 pcs)	+/-144V (12V x 24 pcs)	+/-72V (12V x 12 pcs)
Charging Voltage	± 164V	± 164V	± 164V	± 82V
Typical Recharging Time	9 hours recover to 90% capacity			
Charging Current	± 4A			
INDICATORS				
LCD/LED Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions			
PHYSICAL				
Dimension, D x W x H(mm)	678 x 418 x 88 [2U]			
Net Weight (kgs)	17	17	17	14
ENVIRONMENT				
Operating Humidity	0-95 % RH @ 0- 40°C (non-condensing)			
Noise Level	Less than 55dB @ 1 Meter	Less than 55dB @ 1 Meter	Less than 55dB @ 1 Meter	Less than 58dB @ 1 Meter
MANAGEMENT				
Smart RS-232/USB	Supports Windows® Family, Linux and MAC			
Optional SNMP	Power management from SNMP manager and web browser			

*Derate capacity to 90% of capacity when the output voltage is adjusted to 208VAC.
Product specifications are subject to change without further notice

Arena 3U Online UPS Selection Guide

MODEL	Arena 3/3-10K	Arena 3/1-10K	Arena 1/1-10K	Arena 2/2-6K LV	Arena 3/3-10K LV
PHASE	3 phase in / 3 phase out	3 phase in / 1 phase out	1 phase in / 1 phase out	2 phase in / 2 phase out	3 phase in / 3 phase out
CAPACITY	10000 VA / 10000 W	10000 VA / 10000 W	10000 VA / 10000 W	6000 VA / 6000 W	10000 VA / 8000 W
PARALLEL CAPABILITY	10	10	10	10	10
INPUT					
Nominal Voltage	3 x 360VAC/380VAC/ 400VAC/415VAC (3Ph+N+PE)	3 x 360VAC/380VAC/ 400VAC/415VAC (3Ph+N+PE)	208VAC/220VAC/230VAC /240VAC (1Ph+N+PE)	100/200, 110/220, 120/208, 120/240, 127/220 VAC (2P+N+PE)	3 x173VAC/190VAC/200VAC /208/220VAC (3Ph+N+PE)
Voltage Range	190-520 VAC (3-phase) @ 50% load 305-478 VAC (3-phase) @ 100% load		110-300 VAC @ 50% load 176-276 VAC @ 100% load	88-155 VAC (L-N) 152- 269 VAC (L-L)	88-155 VAC (L-N) 152- 269 VAC (L-L)
Frequency Range	40 Hz ~ 70 Hz				
Power Factor	≥ 0.99 @ 100% load				
THDi	< 4% @ full linear load				
OUTPUT					
Output Voltage	360VAC/380VAC/400VAC/ 415VAC (3Ph+N)	208*/220/230/240VAC (L+N)	208*/220/230/240VAC (L+N)	100/200,110/220,120/208, 120/240,127/220VAC (2Ph+N)	173VAC/190VAC/200VAC/ 208VAC/220VAC(3Ph+N)
AC Voltage Regulation (Batt. Mode)	± 1%				
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz				
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz				
Current Crest Ratio	3:1 (max.)				
Harmonic Distortion	≤ 2% THD (Linear Load) ; ≤ 3% THD (Non-linear Load)				
Transfer Time	AC Mode to Batt. Mode	zero			
	Inverter to Bypass	zero			
Waveform (Batt. Mode)	Pure Sinewave				
EFFICIENCY					
AC Mode	94%	94%	93.5%	91%	92%
ECO Mode	97%	97%	97%	97%	97%
Battery Mode	At Full Load	93%	92.5%	92%	92%
	Peak	93.5%	93%	92.5%	91.5%
BATTERY CHARGER					
Battery Voltage	± 12V / 9 Ah				
Battery Numbers	16~20 pcs (adjustable) x 2	16~20 pcs (adjustable) x 2	16~20 pcs (adjustable) x 2	8~10pcs (adjustable) x 2	8~10pcs (adjustable) x 2
Nominal Voltage	+/-192V (12V x 32 pcs)	+/-192V (12V x 32 pcs)	+/-192V (12V x 32 pcs)	+/-96V (12V x 16 pcs)	+/-96V (12V x 16 pcs)
Maximum Voltage	+/- 240V (12V x 40 pcs)	+/- 240V (12V x 40 pcs)	+/- 240V (12V x 40 pcs)	+/-120V (12V x 20pcs)	+/-120V (12V x 20pcs)
Minimum Voltage	+/-192V (12V x 32 pcs)	+/-192V (12V x 32 pcs)	+/-192V (12V x 32 pcs)	+/-96V (12V x 16pcs)	+/-96V (12V x 16pcs)
Charging Voltage	± 218V	± 218V	± 218V	± 109V	± 109V
Typical Recharging Time	9 hours recover to 90% capacity				
Charging Current	± 4A				
INDICATORS					
LCD/LED Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions				
PHYSICAL					
Dimension, D x W x H(mm)	678 x 418 x 129 [3U]				
Net Weight (kgs)	20.5	20.5	20.5	17.6	21
ENVIRONMENT					
Operating Humidity	0-95 % RH @ 0- 40°C (non-condensing)				
Noise Level	Less than 55dB @ 1 Meter	Less than 55dB @ 1 Meter	Less than 55dB @ 1 Meter	Less than 58dB @ 1 Meter	Less than 58dB @ 1 Meter
MANAGEMENT					
Smart RS-232/USB	Supports Windows® Family, Linux and MAC				
Optional SNMP	Power management from SNMP manager and web browser				

*Derate capacity to 90% of capacity when the output voltage is adjusted to 208VAC.
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