Catalog
UPS

2025

AEC

www.aecups.com

Containerised UPS | LiFePO4

UPS Solution 1MW - 1.2MW Lithium

AEC's containerized UPS solution delivers up to 1.2MW of modular power with 480V input/output (optional 400V), ideal for mission-critical and remote applications.

The system features hot-swappable modular UPS and $LiFePO_4$ lithium battery modules, ensuring r operation and easy maintenance.

The IP55-rated container includes:
-Modular UPS, hot swappable modules 100kW
-Modular Lithium Cabinet and batteries
-**Hot/cold aisle** isolation and **integrated air conditioning**
-Fingerprint-secured magnetic door
-CCTV surveillance with 4TB video server (30-day recording)
-Fire protection and environmental monitoring (water, humidity, temperature)

Fully customizable, this compact solution is built for high performance, safety, and rapid deployment.

Containerised 400-480V UPS Modular 1MW - 1.2MW;

Complete hot-swappable solution UPS+Batteries;

Multiple 7" Touch screen color display for UPS;

Modular Lithium Cabinets, hot-swappable LFP modules;

Advanced **LiFePO4 chemistry** technology;

Sealed and isolated IP55 Container 40 feet;

Air conditioning integrated, high cooling capacity;

Fire protection and enviromental monitoring systems;

Finger print access with magnetic door;

Video surveillance CCTV with 4TB 30 days recording;

Features

Containerised IP55

Modular Lithium LiFePO4

Security system integrated

THREE LEVEL 3 UPS

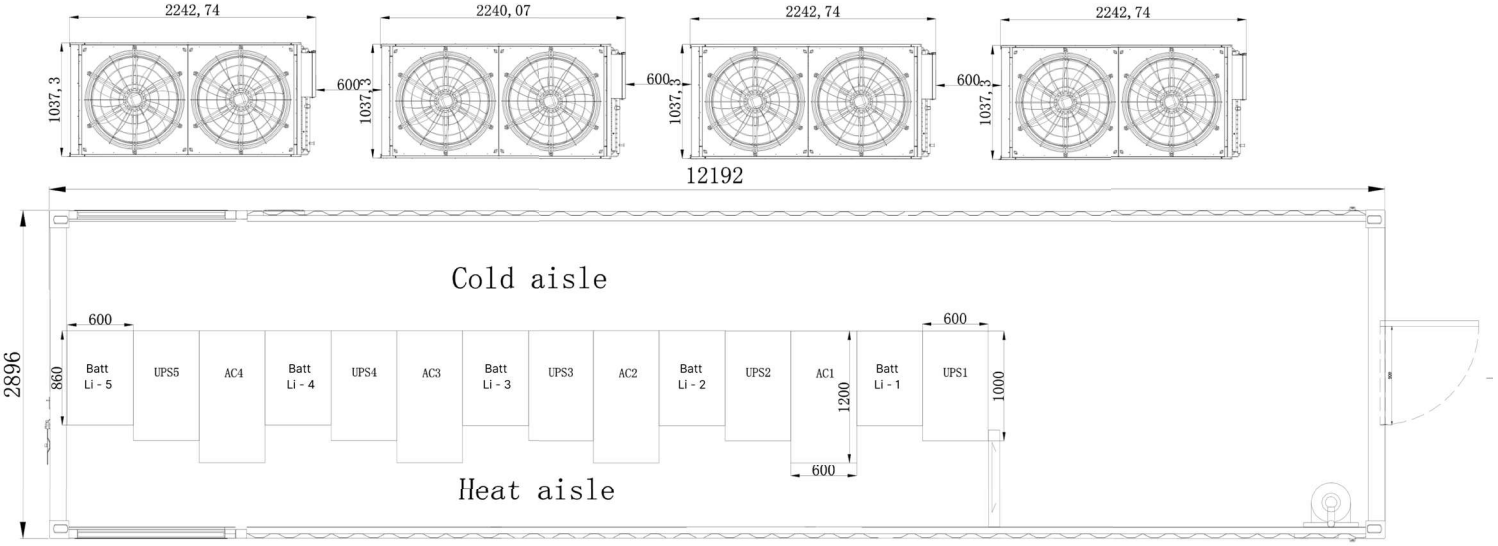
LiFePo4

WARRANTY 5 YEARS

24h/7 ASSISTANCE

Scan the QR code to find out more informations on Containerised UPS!

Container Uninterruptible Power Solution | 1MW 15 Minutes runtime



UPS Modular 1MW - 1.2MW
N+1 with 100kW hot-swappable modules

Lithium Battery Modular for 15 Minutes runtime 1MW
Hot-swappable LFP 50Ah modules

Isolated cables entry

Fingerprint access

Video surveillance System
Internal and external CCTV

Air-conditioning system integrated
Internal isolation between hot and cold aisles

UPS Modular technology N+1

Modular UPS technology revolutionizes power protection by offering scalability, flexibility, and serviceability in a single solution. Unlike traditional monolithic systems, a modular UPS is composed of independent power modules that can be added, removed, or replaced without shutting down the system.

UPS 400-480V Power 1000kVA - 1200kVA

INFINITE 1000-1200kVA

Touch screen Smart Display

Clear Display: A 7-inch color touchscreen provides an easy and intuitive way to control the UPS.

Secure Access: Three access levels (User, Technician, Manufacturer) protect system settings.

Full Configuration: Adjust input, output, battery, communication, language, and operating modes directly from the screen.

Live Monitoring: View real-time data like voltage, load, frequency, and battery status by cell at a glance.

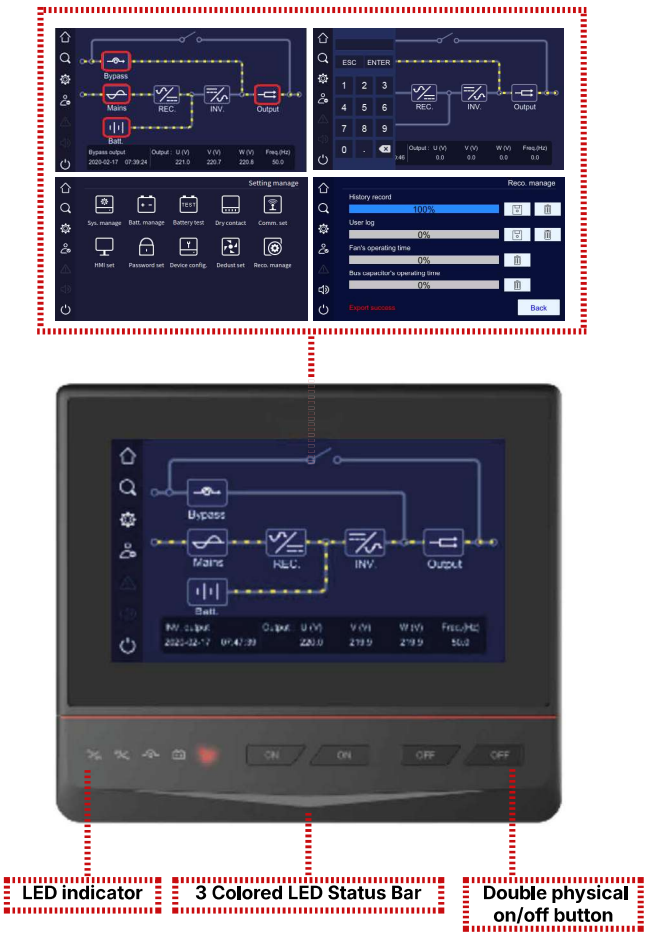
Event History: The UPS logs up to 10,000 events, downloadable via the built-in USB port.

Generator Ready: Advanced settings ensure stable operation and communications with diesel generators.

Custom Alarms: Set and manage dry contact alarms right from the touchscreen.

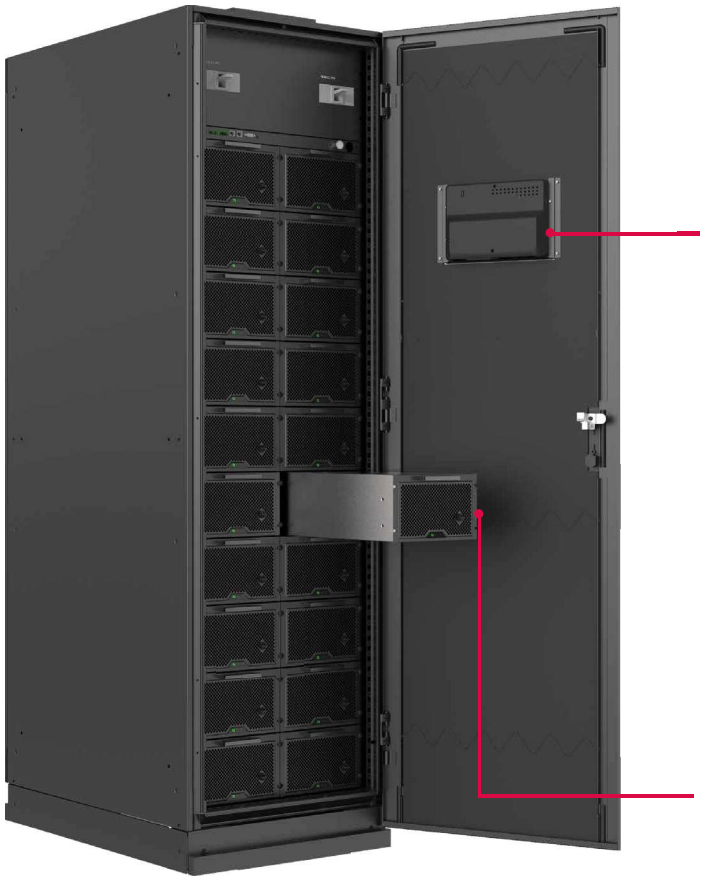
Self-Cleaning: Automatic fan cycles help remove dust and keep internal parts clean.

Waveform Display: The system periodically records inverter, rectifier, and control waveforms for diagnostics.



Lithium Modular cabinet | Hot swappable LFP Modules

Modular Lithium Cabinet



7" Inches Color Touch-screen

50Ah LiFePO4 Module
Hot-swappable 20 pcs max

UPS Technical specifications

MODELS	INF-1000/1200
Input	
Voltage (VAC)	480Vac (L-L)
Frequency (HZ)	40~70Hz
Input range (VAC)	384-528VAC(L-L)@full load, 288-384VAC (L-L) power derate from 100% to 75%
Power factory	≥0.99
THDI	≤3%
Phase	3W+G
Output	
Power Module (kW)	100kW
Frame capacity (kW)	200kW+1 (3 Modules x 100kW)
Power factor	1
Voltage (VAC)	480Vac (L-L)
Frequency (HZ)	50/60±0.1
THD	≤1%THD, linear load; ≤5%THD, non-linear load
Waveform	Pure sinewave
AC/AC Efficency	97.5%
Overload	110% 1 hour, 125%10 mins, 150% 1 min, >150% 200ms
Battery	
Voltage (VDC)	Min ±180Vdc Max ±300Vdc settable by display
Standard battery set	±180Vdc
Max. current Charger (A)	40A * UPS Modules
Other specifications	
Recharging time	< 6 Hours
Communications	Standard: RS232, E.P.O Contact and USB Port Optional: SNMP, Modbus, Dry contact
Noise (DB)	<50dB
Temperature (°F - °C)	0°C - 40°C 32°F - 104°F
Umidity	<95%
Dimensions (W*D*H) in	5/6 units x 23.6*39.3*78.7
Dimensions (W*D*H) cm	5/6 units x 60*100*200 cm
Frame Weight (Lb - Kg)	5/6 units x 1274 Lb - 378 Kg
Power module (Lb - Kg)	5/6 units x 90.4 Lb - 41 Kg
Certifications	
Standards	CE (IEC EN 62040-1; EMC IEC EN 62040-2; IEC EN 62040-3); UL1778

Lithium Battery Technical specifications

BATTERY CELL	50AH
Type	LFP LiFePO4 Chemistry
Dimensions (Mm)	27.0×148.5×133.0
Weight (Kg)	1.11±0.1
Rated Capacity (Ah)	50
Discharge Rate (C)	4
Charge Rate (C)	1
Rated Voltage (V)	3.2
Cycle Life	5,000 TIMES (@50% DOD)
Battery Pack	**50Ah**
Battery Rated Voltage (V)	57.6
Battery Capacity (Ah)	50
Max. Energy (Kwh)	2.3
Dc/Dc Rated Output Voltage (V)	240*2 (IN SERIES OR PARALLEL)
Dc/Dc Rated Output Power (Kw)	10
Dimensions (W*D*H) (Mm)	223×665×153
Weight (Kg)	38±2
Battery Cabinet	**50Ah x 20**
Battery Max Energy (Kwh)	58
Rated Output Voltage (V)	240/±240/480
System Rated Output Power (Kw)	200
Number Of Battery Modules	20
Current-Unbalance	≤5%
Soc Accuracy	≥95%
Communication	RS485, CAN, TCP/IP and Dry contact
Working Temperature (°C)	0~40 (+15~+30 Recommended)
Altitude (M)	0~4000M, Above 2000M Derate
Dimensions (W*D*H) (Mm)	600×860×2000
Weight (Kg)	1000±10
Maximum Paralleled Cabinets	8
Certifications	
Standards	UL9540 for Module 50Ah,

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