

3-Phase On-line UPS

PlusMAX 1 Series Introduction

20KVA to 200KVA

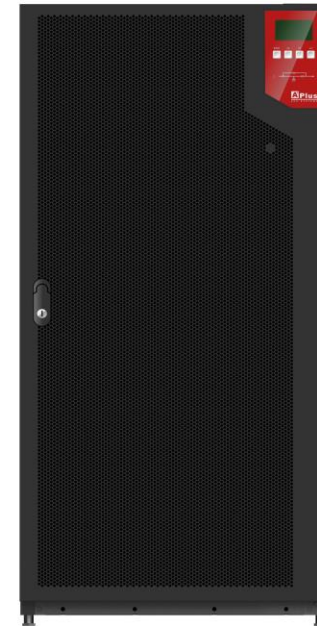


PlusMAX 1 Series OVERVIEW

- Advanced platform
- High efficiency
- High power density
- High reliability
- Easy installation & Maintenance



20-40KS

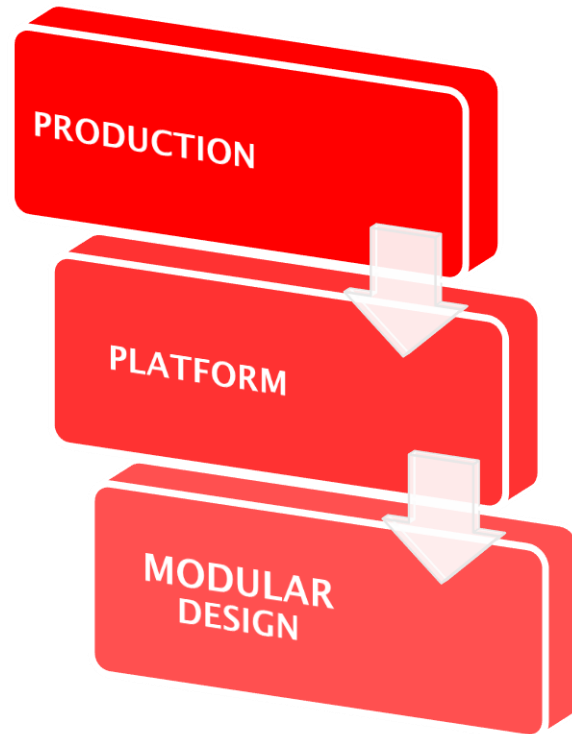


60-80KS



100-200KS

Leading Technology



Embedded Technology

- Global Best Practice & Technology

Sharing Platform and Component

- Cost
- Maintenance

Standardized Production Process

- Assembly & Testing
- Coating

Key Feature

Power rating: 20/30/40/60/80/100/120/160/200kVA

Topology: Double conversion topology on-line UPS, High frequency , IGBT rectifying Tower design

Input/Output: 220V/380V 3Ph+N+PE

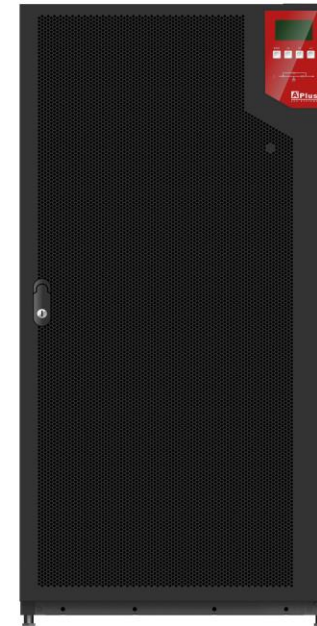
Frequency: 50/60 Hz

Key feature:

- 0.9PF
- Parallel up to 4 units
- Intelligent battery management
- ECO mode
- Battery quantity adjustable
- Dual input & Single input adaptive
- Compact-size on footprint
- Easy installation and maintenance



20-40KS



60-80KS



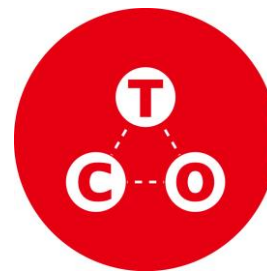
100-200KS

Customer Value



High Power rating

- Single unit up to 200kVA
- 0.9PF
- Paralleled units up to 800kVA



Low TCO

- Inverter mode efficiency 94%
- ECO mode efficiency 98%
- 44% footprint saving
- Easy installation & maintenance



Easy maintenance

- 60minute MTTR, Class modular design & frontal operation
- WINPOWER monitor
- Variety accessory



More Reliability

- Dustproof design
- Intelligent battery management
- Dual input redundancy design
- Parallel technology
- High quality component design

LOWEST TCO – ECO MODE

ECO mode efficiency high to 98%:

- 98% efficiency(ECO mode), offering the lowest Total Cost of Ownership(UPS electrical cost saving + cooling electrical cost saving)
- Surge suppression-non transformer filter technology
- Fast transfer time-typical 4ms(other Competition need 6ms at ECO mode transfer)
- Fault detection ensures more security - Detection Techniques for patented technology to determine load faults and upstream power failures in advance
- Key component more reliability, long life time at ECO mode

Save running expense

Competitor 80KVA UPS efficiency is 92% and 80KVA ECO efficiency up to 98%.

If take typical 75% load (54KW), 6% gap in efficiency will bring,

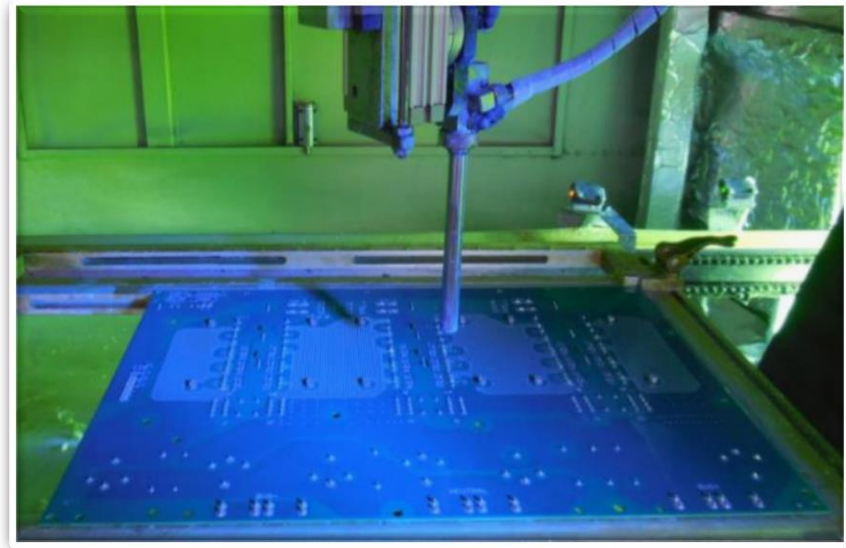
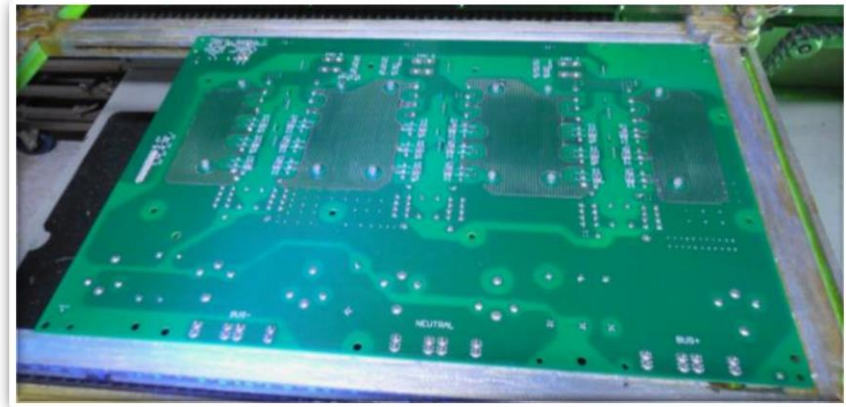
$$6\% \times 54\text{KW} \times 24\text{Hours} \times 365 \times 5 = 141912\text{KWH}$$

energy saving in 5 years operation.

Enhance Environmental Adaptability

PlusMAX 1 Series applies advanced PCBA coating technology, offering customers an excellent anti-corrosion performance.

- Easy Programming
- Automatic Coating Process
- Blue-ray Detection

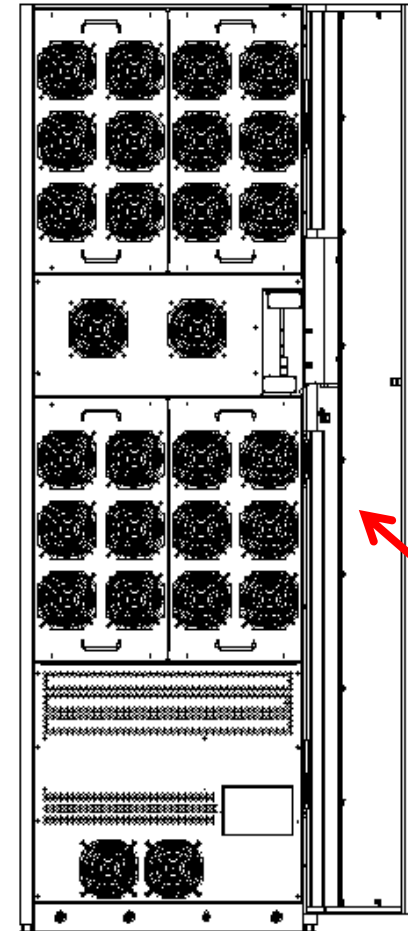


BEST PROTECTION-DUST FILTER

Standard dust filter, enhance environmental adaptability

- Easy disassemble and clean, low maintenance cost
- Complaint of UL94 fireproof standard and UL900 dust filter standard
- Fire resistant

Dustproof design: Structure, UPM, component layout and air distribution design follow safety standard, reduce inner dust hoarding.

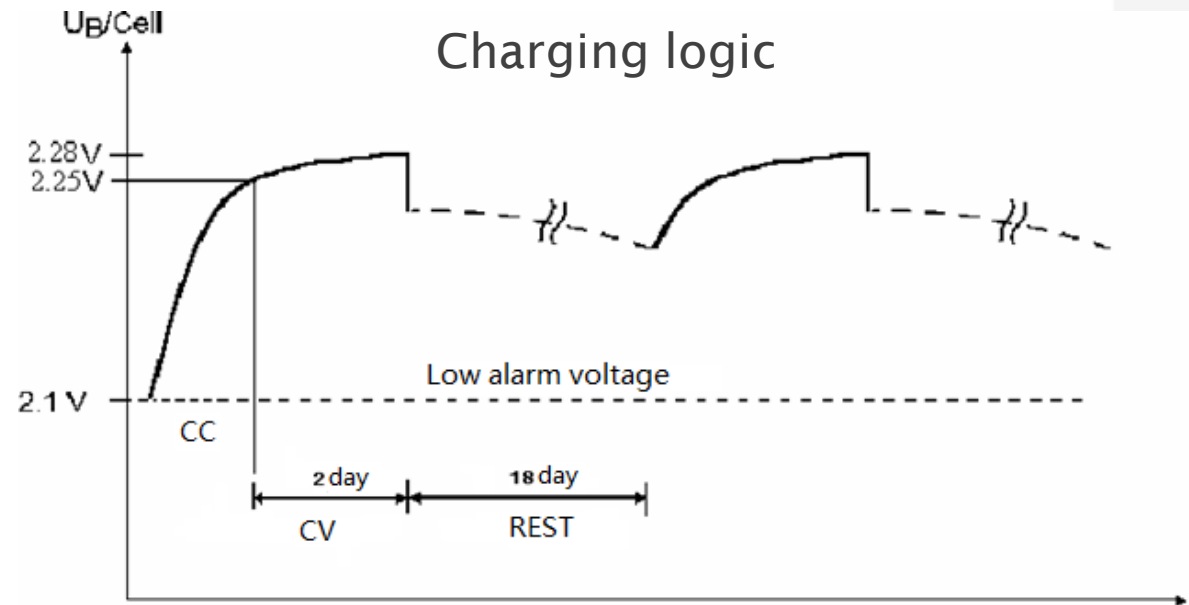


Cleaning, Replaceable dust filter

Intelligent Battery Management

Adopts intelligent battery management system, bring the benefit to customer in below:

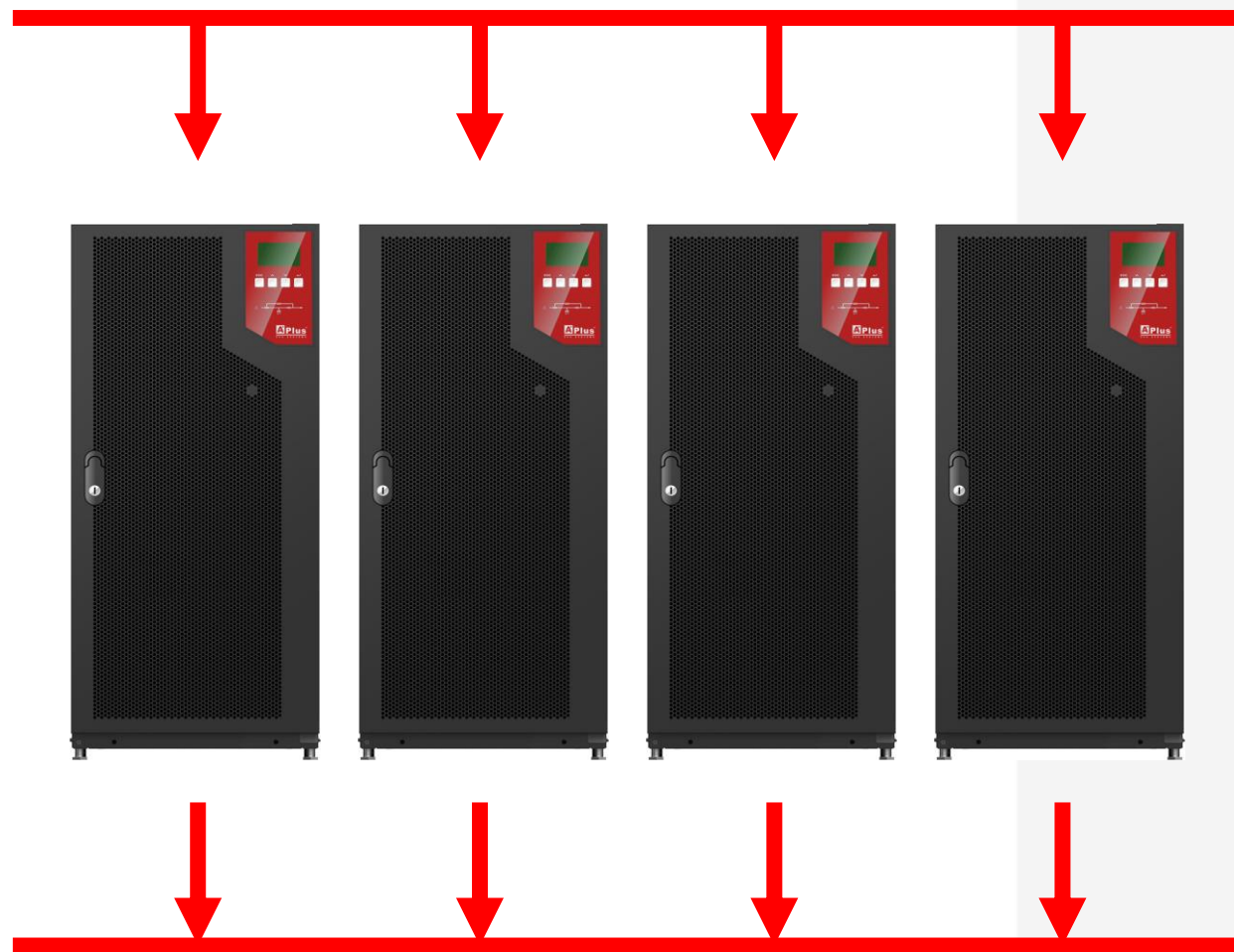
- Accurately forecast battery working mode and remind customers of potential malfunction
- Easy maintenance
- Parameter configurable according to different brand of battery by setting
- Extend 50% battery life time



Leading Parallel Technology

Internal parallel kits powering by high reliability CAN bus.

- Easy parallel redundancy
- Parallel up to 4
- Non principal and subordinate unit distinguish
- Perfect load sharing and active protection



High Quality Component

Key components are from top international brand provider



SANYO DENKI



Easy Installation and Maintenance

- Modular design, high reliability, easy maintenance
- All maintenance on the front, footprint saving
- 20-80k standard input switch, output switch, bypass switch and maintenance bypass switch
- Battery quantity adjustable, UPS can continue run even one battery fail, low maintenance cost
- Wheel in the bottom and ease of moving
- Support dual input, or single input
- Versatile communication interfaces provide for different applications

LOWEST MTTR

Mean Time To Repair(MTTR) < 60minutes

- Maintenance on the front
- UPM power module swappable design
- Sliding tray
- Modular weight less 25Kg
- Fire resistant, cleanable dust filter
- Modular design for fan

