

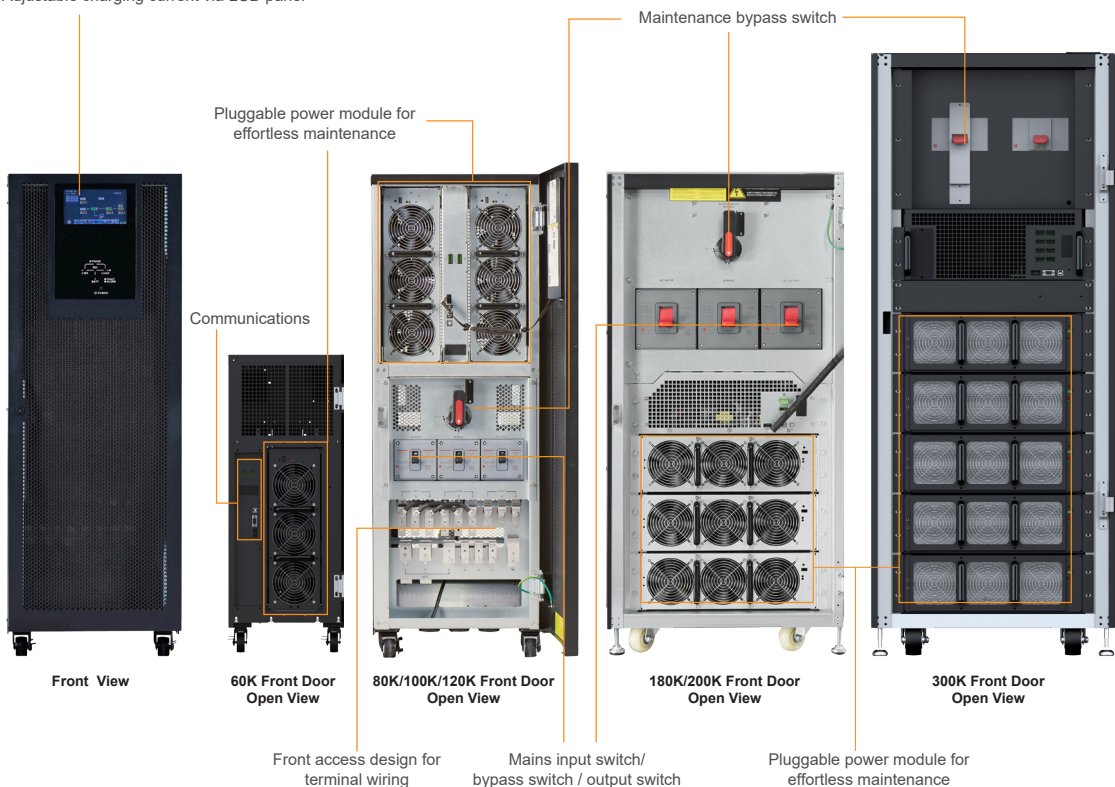
ZEN 3phase UPS, 60KW to 1.2MW



- Pluggable power module design with front access to decrease MTTR, parallel redundancy capability for power guarantee
- Parallel operation up to 4 units with common battery
- Power walk-in function
- Dual-mains inputs
- Built-in 4 switches including Mains input, bypass input, output and maintenance bypass switch
- Flexible battery configuration and adjustable charging current
- Output power factor 1
- Active power factor correction in all phases
- Built-in 7" touch LCD screen for comprehensive information
- Emergency power off function(EPO)
- Generator compatible
- 50Hz/60Hz frequency converter mode
- Compatible to Lithium-ion battery

Product Outlook

- 7" touch LCD screen
- Dynamic password optimizes service performance
 - Adjustable charging current via LCD panel



ZEN 3-phase in/3-phase out Online UPS Selection Guide

| MODEL | 60K | 80K | 100K | 120K | 180K | 200K | 240K | 300K |
|--------------------------------------|---|---|--|------------------|------------------|------------------|------------------|------------------|
| PHASE | 3-phase in / 3-phase out | | | | | | | |
| CABINET CAPACITY | 60KVA/60KW | 80KVA/80KW | 100KVA/100KW | 120KVA/120KW | 180KVA/180KW | 200KVA/200KW | 240KVA/240KW | 300KVA/300KW |
| BATTERY TYPE | External Battery | | | | | | | |
| PARALLEL CAPABILITY | 4 | | | | | | 2 | |
| INPUT | | | | | | | | |
| Nominal Voltage | 3 x 380/400/415 VAC (3Ph+N) | | | | | | | |
| Voltage Range | 110-300 VAC @ 50% load; 184-276 VAC @100% load | 110-300 VAC @ 50% load; 190-276 VAC @100% load | 110-300 VAC @ 50% load; 184-276 VAC @100% load | | | | | |
| Nominal Frequency | 50/60Hz (Auto sensing) | | | | | | | |
| Frequency Range | 40Hz ~70Hz | | | | | | | |
| Power Factor | ≥ 0.99 @ 100% load | | | | | | | |
| Harmonic Distortion (THDi) | <5% @ 100% load | | <4% @ 100% load | | | | | |
| OUTPUT | | | | | | | | |
| Nominal Voltage | 3 x 380/400/415 VAC (3Ph+N) | | | | | | | |
| Voltage Regulation (Steady state) | ≤ ± 1% Typical (balanced load) ≤ ± 2% Typical (unbalanced load) | | | | | | | |
| Nominal Frequency | 50/60Hz | | | | | | | |
| Frequency Range (Synchronized range) | 46Hz ~ 54Hz or 56Hz ~ 64Hz | | | | | | | |
| Overload Capability | ≤ 110% for 1 hour, 111% ~ 125% for 10 mins, 126%~150% for 1 min and >150% for 200ms | | | | | | | |
| Harmonic Distortion | ≤ 2% THD (Linear Load) ; ≤ 4% THD (Non-linear Load) | | | | | | | |
| EFFICIENCY | | | | | | | | |
| AC Mode | 95% | | 95.5% | | | | | |
| ECO Mode | 98% | | 98.5% | | | | | |
| Battery Mode | 94% | | 94.5% | | | | | |
| BYPASS | | | | | | | | |
| Nominal Voltage | 3 x 380/400/415 VAC (3Ph+N) | | | | | | | |
| Voltage Range | -30% ~ +20% | | | | | | | |
| Frequency Range | 46Hz ~ 54Hz or 56Hz ~ 64Hz | | | | | | | |
| Overload Capability | ≤ 110% for 1 hour, 111% ~ 125% for 10 mins, 126%~150% for 1 min and >150% for 200ms | | | | | | | |
| BATTERY / CHARGER | | | | | | | | |
| Nominal Voltage | +/- 192V ~ +/- 240V (Selectable) | +/- 240V | +/- 192V ~ +/- 240V (Selectable) | | | | | |
| Maximum Voltage | +/- 240V (12V x 40 Pcs) | | | | | | | |
| Minimum Voltage | +/- 192V (12V x 32 Pcs) | +/- 240V | +/- 192V (12V x 32 Pcs) | | | | | |
| Floating Charge Voltage | 2.28V / Cell (2.25 ~2.33 Selectable) | | | | | | | |
| Boost Charging Voltage | 2.35V/Cell | | | | | | | |
| Temperature Compensation | Yes | | | | | | | |
| Maximum Charging Current | 18A (Adjustable) | 18A (Adjustable) | 24A (Adjustable) | 36A (Adjustable) | 54A (Adjustable) | 54A (Adjustable) | 72A (Adjustable) | 90A (Adjustable) |
| PHYSICAL | | | | | | | | |
| IP Class | IP20 | | | | | | | |
| Dimension, D x W x H (mm) | 1000x320x800 | 1000x430x1200 | 1000x430x1200 | 1000x430x1200 | 1000x600x1200 | 1000x600x1200 | 1100x600x1475 | 1100x600x1475 |
| Net Weight (Kgs) | 94 | 125 | 169 | 169 | 249 | 249 | 360 | 396 |
| ENVIRONMENT | | | | | | | | |
| Operating Temperature | 0-40°C | | | | | | | |
| Operating Humidity | < 95 % and non-condensing | | | | | | | |
| Altitude** | <1000m for Nominal power | | | | | | | |
| MANAGEMENT | | | | | | | | |
| Smart RS-232/USB | Supports Windows® Family, Linux and MAC | | | | | | | |
| Optional SNMP | Power management from SNMP manager and web browser | | | | | | | |
| STANDARDS | | | | | | | | |
| Safety | IEC/EN 62040-1 | | | | | | | |
| EMC | IEC/EN 62040-2 Category C3 | | | | | | | |

**If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.
Product specifications are subject to change without further notice.