

Fortress 3P/3P with isolation transformer

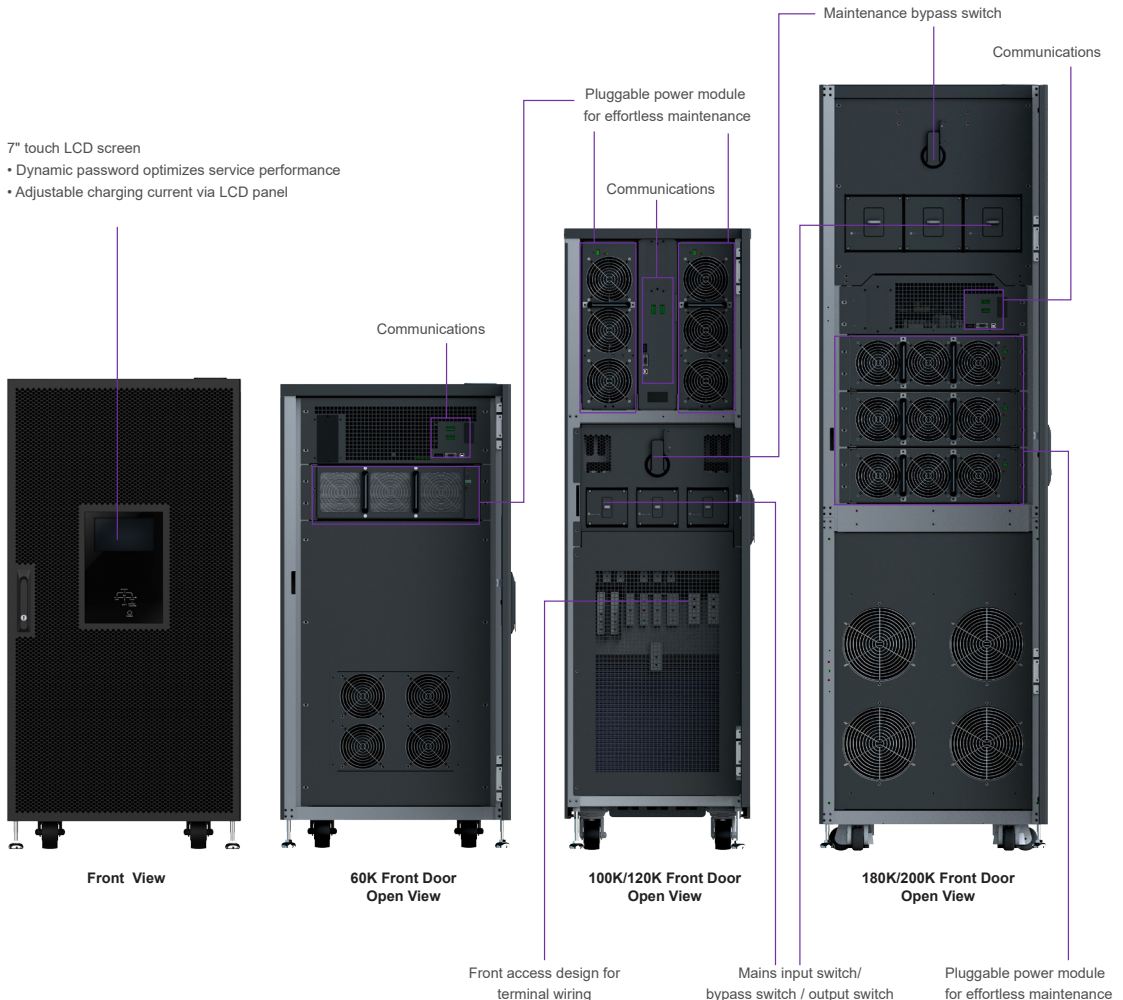
ONLINE UPS



- Built-in output isolation transformer
- Pluggable power module design with front access to decrease MTTR, parallel redundancy capability for power guarantee
- Parallel operation 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

Product Outlook

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



Fortress 3-phase in/3-phase out with ISO Online UPS Selection Guide

MODEL	60K	100K	120K	180K	200K
PHASE	3-phase in / 3-phase out				
CABINET CAPACITY	60KVA/60KW	100KVA/100KW	120KVA/120KW	180KVA/180KW	200KVA/200KW
BATTERY TYPE	External Battery				
PARALLEL CAPABILITY	4				
INPUT					
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)				
Voltage Range	110-300 VAC @ 50% load; 187-276 VAC @100% load				
Nominal Frequency	50/60Hz (Auto sensing)				
Frequency Range	40Hz ~70Hz				
Power Factor	≥ 0.99 @ 100% load				
Harmonic Distortion (THDi)	< 5% at full linear load				
OUTPUT					
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)				
Voltage Regulation (Steady state)	≤ ± 1% Typical (balanced 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)				
EFFICIENCY					
AC Mode	92.3%				
ECO Mode	95.8%				
Battery Mode	91.3%				
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)				
Maximum Voltage	+/- 240V (12V x 40 Pcs)				
Minimum Voltage	+/- 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)	24A (Adjustable)	36A (Adjustable)	54A (Adjustable)	54A (Adjustable)
PHYSICAL					
IP Class	IP20				
Dimension , D x W x H (mm)	1000 x 600 x 1200	1000 x 480 x 1600	1000 x 480 x 1600	1000 x 600 x 2000	1000 x 600 x 2000
Net Weight (Kgs)	334	517	557	826	866
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				

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