ELON Series

100-200KVA

BARWELO



180K/200K 100K/120K

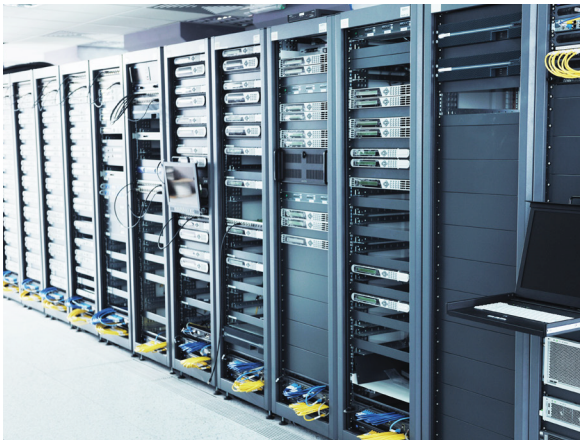
Double Conversion
High power density Online UPS

Performance

- Backfeed detection built-in
- Single power module on/off control through LCD panel
- 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
- Optional extra communication is available
- Emergency power off function(EPO)
- Generator compatible
- 50Hz/60Hz frequency converter mode
- Compatible to Lithium-ion battery

Ideal for protecting

- Small Networks
- Critical Servers
- Other critical IT applications
- Security equipment



VR 0001

Double Conversion High power density Online UPS

ELON Series

100-200KVA

BARWELO

MODEL	EL-100K	EL-120K	EL-180K	EL-200K
PHASE	3-phase in / 3-phase out			
CABINET CAPACITY	100KVA/100KW	120KVA/120KW	180KVA/180KW	200KVA/200KW
POWER MODULE	2 x 50KW	2 x 60KW	3 x 60KW	3 x 67KW
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; 184-276 VAC @100% load			
Nominal Frequency	50/60Hz (Auto sensing)			
Frequency Range	40Hz ~70Hz			
Power Factor	≧ 0.99 @ 100% load			
Harmonic Distortion (THDi)	<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	95.5%			
ECO Mode	98.5%			
Battery Mode	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)			
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			
Maximum Charging Current	24A (Adjustable)	36A (Adjustable)	54A (Adjustable)	54A (Adjustable)
PHYSICAL				
IP Class	IP20, optional IP31			
Dimension, D x W x H (mm)	1000x430x1200	1000x430x1200	1000x600x1200	1000x600x1200
Net Weight (Kgs)	169	169	249	249
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 placewhere 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.

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