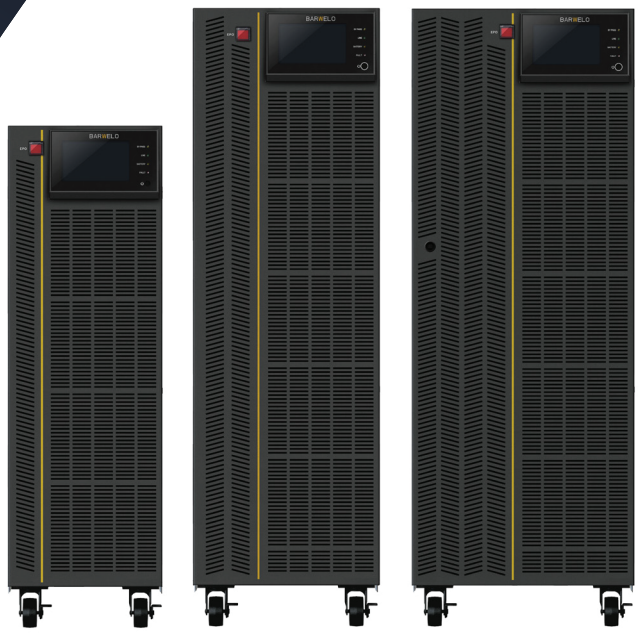
ELON Series

10-80KVA

BARWELO



10K/15K/20K 30K/40K/60K 80K

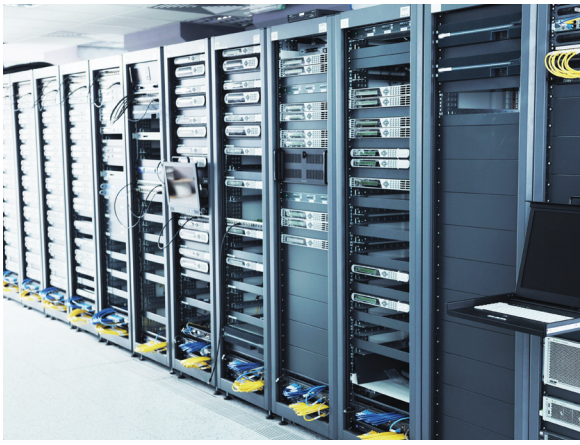
Double Conversion
High power density Online UPS

Performance

- DSP technology guarantees high reliability
- Output power factor 1
- Dual Inputs
- Very powerful charger to shorten the recharge time
- Adjustable charging current
- Parallel up to 6 units with common battery pack
- Color touch type LCD display
- Optional programmable relay dry contact card
- Voice warning / error code notice
- High overload capability
- Adjustable battery design
- Dynamic password feature optimizes service performance
- Power walk-in function

Ideal for protecting

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



VR 0001

Double Conversion High power density Online UPS

ELON Series

10-80KVA

BARWELO

MODEL		EL-10K	EL-15K	EL-20K	EL-30K	EL-40K	EL-60K	EL-80K
PHASE		3-phase in / 3-phase out						
CAPACITY		10KVA /10KW	15KVA /15KW	20KVA /20KW	30KVA /30KW	40KV /40KW	60KVA /60KW	80KVA /80KW
PARALLEL CAPABILITY		up to 6 units in parallel						
INPUT								
Nominal Voltage		3 x 380/400/415 VAC (3Ph+N)						
Voltage Range		-30% ~ +20%						
Frequency Range		40~70 Hz						
Power Factor		≧ 0.99 @ 100% Load						
Harmonic Distortion (THDi)		< 4% at full linear load						
OUTPUT								
Output Voltage		3 x 360*/380/400/415 VAC (3Ph+N)						
AC Voltage Regulation (Batt. Mode)		± 1%						
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz						
Frequency Range (Batt. Mode)		50/60 Hz ± 1%						
Current Crest Ratio		3:1 (max.)						
Harmonic Distortion		≦ 2 % THD (Linear Load) ; ≦ 5 % THD (Non-linear Load)						
Transfer Time	AC Mode to Batt. Mode	Zero						
	Inverter to Bypass	Zero						
Waveform (Batt. Mode)		Pure Sine wave						
Overload Capability		100-110% for 60 min, 111-125% for 10 min, 126%~150% for 1 min; >150% For 400ms						
BYPASS								
Nominal Voltage		3 x 380/400/415 VAC (3Ph+N)						
Voltage Range		-30% ~ +20% (Adjustable)						
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz						
Overload Capability		> 130% 1 minute (default) Continously working until breaker protection (optional)						
EFFICIENCY								
AC Mode		96.0%						
ECO Mode		99.0%						
Battery Mode		96.0%						
BATTERY								
Standard Model	Battery Type	12 V/9 Ah	12 V/9 Ah	12 V/9 Ah	12 V/7 Ah	12 V/9 Ah	N/A	
	Numbers	(10+10) pcs	(16+16) pcs	(16+16) pcs	(16+16) pcs x 2 strings			
	Typical Recharge Time	9 hours recover to 90% capacity						
	Charging Current (max.)	1A ~ 12A (Adjustable)				1A ~ 16 A (Adjustable)		
	Charging Voltage	+/-136.5 VDC ± 10%	+/-218 VDC ± 10%					
Long-run Model	Battery Type	Depending on the applications						
	Numbers	+/- 10 pcs	+/-16 pcs ~ +/- 20 pcs (Adjustable)					
	Charging Current (max.)	1A ~ 12A (Adjustable)				1A ~ 16 A (Adjustable)2A ~ 24 A (Adjustable)		2A ~ 32A (Adjustable)
	Charging Voltage	+/-136.5 VDC ± 10%	+/-13.65V x N (N=16~20)					
INDICATORS								
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions						
PHYSICAL								
Standard Model	Dimension,DxWxH (mm)	630 x 250 x 826			815 x 300 x 1000		N/A	
	Net Weight (kgs)	124	139		225	250		
Long-run Model	Dimension,DxWxH (mm)	630 x 250 x 826			815 x 300 x 1000		790 x 360 x 1010	
	Net Weight (kgs)	37	43		60	67	108	113
ENVIRONMENT								
Operating Temperature		0-40°C						
Operation Humidity		< 95% and non-condensing						
Altitude**		0 ~ 1500m at full load						
Noise Level		Less than 60 dB @1 Meter			Less than 63 dB @1 Meter		Less than 65 dB @1 Meter	
MANAGEMENT								
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC						
Optional SNMP		Power management from SNMP manager and web browser						

*If output voltage is set as 3 x 360VAC, the output power of the unit will be de-rated to 90%.
**If the UPS is installed or used in a place where the altitude is higher than maximum height, the output power will be derated 1% per 100m.
Product specifications are subject to change without further notice.

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