



Online UPS 3Phase Out

BEC Series

(30~200KVA)

3:3 Phase PF:0.9

**ISOLATION
TRANSFORMER**
advantage of
NOISE REJECTION



Features:

- Online double conversion with inbuilt Isolation transformer
- Full DSP control
- High Output power factor >0.9
- Wide input voltage adaptability -25% +20%
- Optimized battery management
- N+x parallel redundancy
- Strong overload capability
- EPO function
- User-friendly network management
- LCD and LED mimic diagram: real time operation parameters and status
- RS232 & RS485 communication ports: for local monitor with corresponding software, and MODBUS protocol is optional.
- SNMP adapter (optional): for remote monitor through network, Dry contacts for additional monitoring of various UPS parameter

Online UPS 3Phase Out

BEC Series (30~80KVA)



▶ Technical Specifications

MODEL	BEC 3330L32	BEC 3340L32	BEC 3360L32	BEC 3380L32
CAPACITY (KVA)	30KVA	40KVA	60KVA	80KVA
INPUT				
Operating Voltage range	380/400/415 (-25%/+20%), "3PH+N+PE"			
Operating frequency range	50/60Hz±5Hz, auto-sensing			
Power factor	>0.9 (without filter), 0.99 (with filter)			
OUTPUT				
Output Voltage	380/400/415Vac±1% or 206Vac±1%			
Max. output current	45A	60A	90A	121A
Output frequency	1. Auto tracking the input frequency (line mode) 2. 50/60Hz±0.05% (battery mode)			
Waveform	Sine wave			
Power factor	0.9 (lagging)			
THD	<3% (Linear load)			
Crest factor	3 : 1 (max)			
Max. efficiency, eco mode	94% / 98.5%			
BYPASS				
Rated voltage	380/400/415Vac			
Voltage range	Upper limit: +20% (+10%, +15%, +20% can be set) Lower limit: -40% (-10%, -20%, -30%, -40% can be set)			
Rated frequency	50/60Hz (auto-sensing)			
Frequency range	±10% (±2.5%, ±5%, ±10%, ±20% can be set)			
Transfer time	0ms/1ms			
BATTERY				
Battery voltage	384 Vdc / 32 No. (user configurable to 33, 34 No. x 12 Vdc)			
SYSTEM FEATURES				
Transfer time	0 ms (AC mode → Battery mode)			
Overload	110%/125%/150% : 60min/10min/1min			
LED display	Input, inverter, bypass, battery, output status			
LCD display	I/O voltage, frequency, power, power factor, battery voltage, current, battery status, load percentage, UPS status, history record, parameters setting			
Communication Interface	Dry contact, RS232, RS485, SNMP card			
Options	Harmonic filter, SNMP adapter, LBS cables, battery temperature sensor, battery ground fault detection Bypass current-sharing inductor			
ENVIRONMENTAL				
Operating temperature	0 ~ 40°C			
Storage temperature	-25°C ~ 55°C			
Humidity range	0 ~ 95% non-condensing			
Noise level	< 67dB			
PHYSICAL				
Dimension W×D×H (mm)	570x880x1195			760x880x1600
STANDARDS				
Safety	IEC/EN62040-1; IEC/EN60950-1			
EMC	IEC/EN62040-2; IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-5; IEC61000-4-6; IEC61000-4-8			

Specifications are subject to change without prior notice.

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Online UPS 3Phase Out

BEC Series (100~200KVA)



▶ Technical Specifications

MODEL	BEC 33100L32	BEC 33120L32	BEC 33160L32	BEC 33200L32
CAPACITY (KVA)	100KVA	120KVA	160KVA	200KVA
INPUT				
Operating Voltage range	380V/400/415Vac (-25%/+20%), (3p, 5w)			
Operating frequency range	50/60Hz±5Hz, auto-sensing			
Power factor	>0.9 (without filter), 0.99 (with filter)			
OUTPUT				
Rated output voltage	380/400/415Vac±1% or 206Vac±1%			
Max. output current	152A	182A	243A	304A
Output frequency	1. Auto tracking the input frequency (line mode) 2. 50/60Hz±0.05% (battery mode)			
Waveform	Sine wave			
Power factor	0.9 (lagging)			
THD	<3% (Linear load)			
Crest factor	3 : 1 (max)			
Max. efficiency, eco mode	94% / 98.5%			
BYPASS				
Rated voltage	380/400/415Vac			
Voltage range	Upper limit: +20% (+10%, +15%, +20% can be set) Lower limit: -40% (-10%, -20%, -30%, -40% can be set)			
Rated frequency	50/60Hz (auto-sensing)			
Frequency range	±10% (±2.5%, ±5%, ±10%, ±20% can be set)			
Transfer time	0ms/1ms			
BATTERY				
Battery voltage	384 Vdc / 32 No. (user configurable to 33, 34 No. x 12 Vdc)			
SYSTEM FEATURES				
Transfer time	0 ms (AC mode → Battery mode)			
Overload	110%/125%/150% : 60min/10min/1min			
LED display	Input, inverter, bypass, battery, output status			
LCD display	I/O voltage, frequency, power, power factor, battery voltage, current, battery status, load percentage, UPS status, history record, parameters setting			
Communication Interface	Dry contact, RS232, RS485, SNMP card			
Options	Harmonic filter, SNMP adapter, LBS cables, battery temperature sensor, battery ground fault detection Bypass current-sharing inductor			
ENVIRONMENTAL				
Operating temperature	0 ~ 40°C			
Storage temperature	-25°C ~ 55°C			
Humidity range	0 ~ 95% non-condensing			
Noise level	< 67dB		< 70dB	< 72dB
PHYSICAL				
Dimension W×D×H (mm)	760x880x1600		805x1169x1600	
STANDARDS				
Safety	IEC/EN62040-1; IEC/EN60950-1			
EMC	IEC/EN62040-2; IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-5; IEC61000-4-6; IEC61000-4-8			

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