



## U-EHR38 Series

Online high frequency UPS

- Self-load test function
- 32 bit high speed DSP
- 30-44 units adjustable battery configuration
- Compatible with lithium battery



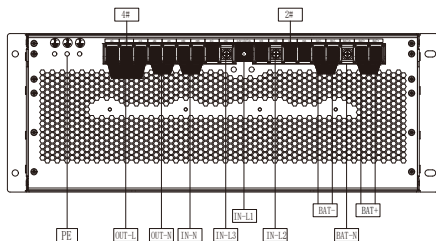
UPS (10KVA-30KVA)

### Power Range

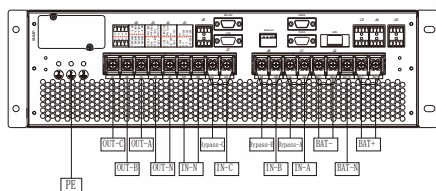
3 Phase in, 3 Phase out,  
3 Phase in, 1 Phase out,  
20kVA-30kVA

### Application

Computers, data centers, network device, telecommunication, precision instrument.



3 phase in, 1 phase out



3 phase in, 3 phase out

### Performance characteristics

#### Advanced Technology

- Wide input voltage
- 50/60Hz auto sensing
- Input power factor correction
- 32 bit high speed digital signal processing DSP
- Self-load test function without loads
- N+X parallel function

#### Outstanding Flexibility

- Adjustable battery numbers: 30-44 units
- Generator compatible
- Comprehensive display allows easy monitoring
- Cold start function
- Output isolation transformer as option

#### Green Performance

- ECO mode for energy saving
- Input PF  $\geq 0.99$ @100% load

## SPECIFICATIONS :

Model	U-EHR3810L	U-EHR3820L	U-EHR3830L
Capacity	10kVA	20kVA	30kVA
Input			
Rated Voltage	380Vac (3 phase+n)		
Voltage Range	304Vac~ 478Vac (line voltage) full load; 304Vac~ 228Vac (line voltage) load derated linearly from100% to 80%		
Frequency Range	40Hz ~ 70 Hz		
Power Factor	≥ 0.99@100% load; ≥ 0.98@50% load		
THDi	< 3% (100% linear load) ; < 5% (100%nonlinear load)		
Output			
Output Voltage	380/400/415Vac (3phase+n); 220/230/240Vac(phase+n)	380/400/415Vac (3phase+n)	
Voltage Accuracy	±1%@balanced load; ±5%@unbalanced		
THDu	≤2% (100% linear load) ; ≤4% (nonlinear load)		
Power Factor	1.0		0.9
Frequency Range	±2Hz (settable); ±0.5Hz、±1Hz、±3Hz (settable) (Synchronizing Range)		
Frequency Range	50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz (Battery mode)		
Overload Capacity	< 105%, long run; < 110%, 60 min; 110 ~ 125% rated load, load 10 min; > 125 ~ 150% rated load, load1 min; > 150%, 200ms		
Crest Factor	3:1(maximum)		
Switching Time	0 ms (Main power ⇌ Battery)		
	1 ms (phase lock failure, <2ms interrupt occurs)(Inverter ⇌ Bypass)		
	<2 ms (Inverter ⇌ ECO)		
Efficiency			
Inverter Mode	≥95%		
ECO Mode	≥99%		
Battery			
Type	lead acid or lithium		
Number	32; 30 ~ 44 (±15~±22) (settable)		
Charging Current	Capacity* 15%/N/12 (N=±15-22)		
Charging Voltage	± 13.65Vdc * N ± 1% (N=±15-22)		
Physical			
Size WxDxH(mm)	482.6 x735 x 130 (3U) ; 482.6 x 535 x 175 (4U)		
Net Weight(kg) (3U)	39		
Net Weight(kg) (4U)	42		
Environment			
Working Temperature	0~ 40°C battery life will be shorten when temperature> 25°C		
Relative Humidity	0~95% no condensation		
Altitude	1000 meters no derate, > 1000 meters derating 1% for every 100 meters rise		
Noise	≤60dB (A)@ 1 meter		
Management			
Intelligent RS232/RS485	Support Windows® 2000/2003/XP/Vista/2008、Windows® 7/8/10、Linux and MAC		
Optional	SNMP/Dry contact		

\* The product is subject to actual product. The above specifications are subject to change without notice.

STD.07-09-23

