

# ONLINE UPS

RELIABLE POWER BACKUP  
FOR SMART INFRASTRUCTURE



## EPU UPS 300K



Pure Sine  
Wave Output



Intelligent  
Microperience  
Control



Fast Charging  
System



Overload & Short  
Circuit Protection



Smart LCD  
Display

## ONLINE UPS

EGE 300K Series are 3 phase input, 3 phase output, transformer-less parallel redundancy online UPS series, featured with smallest footprint cabinet, built-in batteries, DSP Control, Common Battery, Programmable battery voltage, 3-level intelligent charge mode with powerful battery charger, is an ideal budget-concerned solution to your server, bank, industrial equipment, internet data center, telecom, IT equipment and other Mission-critical application.

### EPU 300K Series Technical Specifications 10-40 kVA 3 Phase Input - 3 Phase Output (HF) Online UPS

MODEL	EPU 310K/KL	EPU 315K/KL	EPU 320K/KL	EPU 330K/KL	EPU 340 KL	
Rated Power (kVA)	10	15	20	30	40	
Active Power (kW)	9	13,5	18	27	36	
<b>INPUT</b>						
Rated Voltage	380/400/415 Vac (3P+N+PE)					
Voltage Range	208~478 Vac				323~478 Vac	
Operating Frequency Range	50Hz: 45-55Hz; 60Hz: 54-66Hz (Auto Sensing)					
Harmonic Distortion (THDi)	<5% (100% Linear Load)					
Power Factor	0,99					
Bypass Voltage Range	Max. Voltage: 380Vac: +25%(optional+10%,+15%,+20%) 400Vac: +20%(optional+10%,+15%) 415Vac: +15%(optional+10%) Min.Voltage: -45% (optional -20%,-30%)					
Harmonic Distortion (THDi)	<3% (100% Linear Load)					
Generator Input	Yes					
<b>OUTPUT</b>						
Rated Voltage	380/400/415 V <sub>ac</sub> (3P+N+PE)					
Voltage Regulation	±1%					
Frequency	Line	Line Mode: synchronize with input; When input frequency >±10% (±1%±2%±4%±5% optional)				
	Battery	50/60 ± 0.1 Hz				
Voltage Distortion (THDv)	≤2% (Linear Load) ≤ 5% (Non-Linear Load)					
Power Factor	0.9					
Crest Factor	3:1					
Efficiency	>93.5%			>94.5		
<b>SYSTEM FEATURES</b>						
UPS Type / Technology	Standalone Tower Type / True Online Double Conversion					
Transfer Time	Mains to Battery:0 ms; Mains to Bypass:0 ms					
Overload Capability	Line Mode	Load≤ 110%: 60min; ≤125%:10min, ≤150%:1min,> 150% turn to bypass mode immediately				
	Batt. Mode	Load≤ 110%: 10min; ≤125%:1min, ≤150%:10sec,;>150% Shut down UPS mode immediately				
	Bypass Mode	20A (Breaker)	32A (Breaker)	40A (Breaker)	63A (Breaker)	80A (Breaker)
Alarm	Overload, Utility abnormal, UPS fault, Battery low, etc.					
Protection	Short Circuit, Overload, Over Temperature, Battery Low, Fan Fault Alarm.					
Communication Interface	USB, RS-485, Paralle Port, Dry Contact, Intelligent Slot, SNMP Card (Optional), Relay Card (Optional)					
<b>BATTERY</b>						
Battery	Standat (K)	120 Vdc	120 Vdc	120 Vdc	120 Vdc	N/A
Voltage	Long Backup(KL)	96V,108V,120Vdc	96V,108V,120Vdc	96V,108V,120Vdc	96V,108V,120Vdc	192,204,216,228,240Vdc
Built in	Standat (K)	1,35 A	2,70 A	2,70 A	4 A	N/A
Charger	Long Backup(KL)	10 A	10 A	10 A	10 A	10 A
Built in Battery	Standat (K)	20x12V/9Ah Max.40	40x12V/9Ah	40x12V/9Ah	60x12V/9Ah	N/A
<b>ENVIRONMENT</b>						
Operating Temperature	0°C ~ 40°C					
Storage Temperature	-25°C ~ 55°C (without battery)					
Relative Humidity	0-95% (non-condensing)					
Altitude	<1500m (no derating)					
Audible Noise	<55 dBA				<58 dBA	
<b>STANDARDS</b>						
LVD (Safety)	IEC / EN 62040-1 / IEC / EN 60950-1					
EMC	IEC/EN62040-2/IEC 61000-4-2/IEC61000-4-3/IEC61000-4-4/IEC61000-4-5/IEC61000-4-6/IEC61000-4-8					
<b>PHYSICAL</b>						
Dimensions (WxDxH) (mm)	250x868x828					
Weight (kg)	95(K)/42(KL)	147(K)/45(KL)	147(K)/71(KL)	223(K)/73(KL)		

## FEATURES

- SmallestSmallest Footprint Design
- DSP-controlled Technology
- Parallel Redundancy up to 4 units
- Wide Input Voltage and Frequency
- Unity Power Factor and Low Input Distortion
- Output Power Factor at 0.9
- ECO Mode for Energy Saving
- Common Battery
- Programmable Battery Voltage from +/-96Vdc to +/-240Vdc
- Built-in Batteries makes UPS ready to Use
- Matching Battery Packs
- 3-level intelligent Charge Modes with Smart Charge Current Adjustment
- Powerful Charger up to 10A
- Versatile Communication Interfaces Provided for Different Applications
- Superior Overload Capability
- Programmable Control and Monitoring Software via RS232 port
- Emergency Power Off
- Cold Start

ESIS Power Energy reserves the right to modify these details at any time without prior notification.