

ONLINE UPS

RELIABLE POWER BACKUP
FOR SMART INFRASTRUCTURE



EPU 200K/KL Series 20-40 KVA



Pure Sine
Wave Output



Intelligent
Microperience
Control



Fast Charging
System



Overload & Short
Circuit Protection



Smart LCD
Display

ONLINE UPS

EGE 200K Series of three phases in / single phase out with high frequency online double conversion UPS is a stable and reliable UPS system which was designed by ESIS Company according to international power grid environment and network systems requirements. Its excellent quality and perfect usability provide safe network power supply with reliable protection and satisfy the users requirements of protecting overall equipment.

EPU 200K Series Technical Specifications 20-40 kVA 3 Phase Input - 1 Phase Output (HF) Online UPS

MODEL	EPU 220K / 220KL	EPU 230K	EPU 240K
Rated Power (kVA)	20	30	40
Active Power (kW)	12	27	36
INPUT			
Rated Power	380/400/415 Vac (3P+N+PE)		
Voltage Range	208~478 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.V voltage: 380Vac: +25%(optional+10%,+15%,+20%) 400Vac: +20%(optional+10%,+15%) 415Vac: +15%(optional+10%) Min.Voltage: -45% (optional -20%,-30%)		
ECO Range	Same as the Bypass		
Harmonic Distortion (THDi)	<5% (100% Linear Load)		
Generator Input	Yes		
OUTPUT			
Rated Voltage	220/230/240 Vdc (1P+N+PE)		
Voltage Regulation	±1%		
Frequency	Line	±1% / ±2% / 4% / ±5% / ±10% of the Rated F requency (Optional)	
	Battery	50/60 ± 0,1 Hz	
Waveform	Pure Sine Wave		
Voltage Distortion (THDv)	≤ 2% (Linear Load); ≤ 5% (Non-Linear Load)		
Power Factor	0,9		
Crest Factor	3:1		
Efficiency	>93,5%		>94,5%
SYSTEM FEATURES			
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% tun to bypass mode immediately	
	Bypass Mode	63A (Breaker)	100A (Breaker)
Short Circuit	Hold Whole System		
Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately		
Low Battery Voltage	Alarm and Switch Off		
Battery	Advanced Battery Management		
LED & LCD Display	Line Mode, Batt. Mode, Eco Mode, Bypass Mode, Battery Low, Overload & UPS Fault		
LCD Display	Input Voltage, Input F requency , Output Voltage, Output Frequency , Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time		
Self - Diagnostics	Upon Power On and Software Control		
Communication Interface	USB (or RS-232), SNMP card (optional), Relay card (optional)		
Audible & Visual Alarms	Line F ailure, Battery Low , Overload, System Fault		
BATTERY			
Battery Voltage	±96/108/120 Vdc (Optional)		
Capacity	12V/7Ah/9Ah		
Typical Re-Charge Time	6-8 Hours (to 90% of full capacity)		
Charge Current	1A(Standard unit); long run unit max. curen 10A (Long Run Unit)		
ENVIRONMENT			
Operating Temperature	0°C ~ 40°C		
Storage Temperature	-25°C ~ 55°C		
Relative Humidity	0-95% (non-condensing)		
Altitude	<1500m		
Audible Noise	<55 dBA	<58 dBA	
STANDARDS			
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		
PHYSICAL			
Dimensions (WxDxH) (mm)	250x597x655(K)/250x502x616(KL)		250x502x616
Weight (kg)	76(K) / 35(KL)	45	46

FEATURES

- N+X Parallel Redundancy
- Online Double Conversion with DSP Control
- Input Current Harmonic: <5%
- Optimization Battery Group, the Quantity of Battery: 16/18/20 pieces (optional)
- Output Power Factor is Changed When Selection Different Battery Quantity
16 pcs: 0.7PF; 18pcs:0.8PF; 20pcs:0.9PF
- Wide Input Voltage Range: 208-478Vac
- Wide Input Frequency Range (50Hz: 45-55Hz; 60Hz: 54-66Hz)
- Support Generator Input
- Support Economic (ECO) Operation Mode
- Self-Testing When UPS Startup
- Options: SNMP Card / Relay Card / Parallel Board
- Cold start

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