

RACK MOUNT UPS

RELIABLE POWER BACKUP
FOR SMART INFRASTRUCTURE



EPU SERIES 100KR 6-10 kVA UPS



Pure Sine
Wave Output



Intelligent
Microprocessor
Control



Fast Charging
System



Overload & Short
Circuit Protection



Smart LCD
Display

ONLINE UPS

EPU 100KR series online intelligent UPS, adopts DSP all-digital control technology, with more excellent output index and multi term innovation design, able to provide full protection for high-performance server, internet equipment telecommunication system, industry process and other key equipment. Tower and Rack Mount conversion function design, greatly improve the UPS adaptability to the Installation modes.

EPU100KR Series Technical Specifications 6-10 kVA 1 Phase Input - 1 Phase Output (HF) Rack Type Online UPS

MODEL	EPU 106KR	EPU 110KR
Rated Power (kVA)	6	10
Active Power (kW)	5,4	9
INPUT		
Rated Voltage	220/230/240 Vac (1P+N+PE)	
Voltage Range	120~ 276 Vac	
Operating Frequency Range	50 Hz: 45-55 Hz; 60 Hz: 54-66 Hz (Auto Sensing)	
Power Factor	≥ 0,99	
Bypass Voltage Range	Max. Voltage: 220Vac: +25% (optional +10%,+15%,+20%) 230Vac: +20% (optional +10%,+15%) 240Vac: +15% (optional +10%) Min. Voltage: -45% (optional -20%,-30%)	
ECO Range	Same as the Bypass	
Harmonic Distortion (THDi)	<3% (100% Linear load)	
Generator Input	Yes	
OUTPUT		
Rated Voltage	220/230/240 Vac (1P+N+PE)	
Voltage Regulation	±2%	
Frequency	Line	±1%/±2%/±4%/±5%/±10% of the Rated Frequency (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%	
SYSTEM FEATURES		
UPS Type / Technology	Rack 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	40A (Breaker) 60A (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 Mangement	
LED & LCD Display	Line Mode, Batt. Mode, Eco Mode, Bypass Mode, Battery Low , Overload & UPS Fault	
LCD Display	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time	
Self - Diagnostics	Upon Power On and Software Control	
Communication Interface	Parallel Port, USB (or RS-232), SNMP Card (optional), Relay card (optional)	
EPO (Optional)	Shut Down UPS Immediately	
BATTERY		
Battery Voltage	±96/108/120Vdc (Optional)	
Typical Re-Charge Time	6-8 Hours (to 90% of full capacity)	
Charge Current	Maximum Current 6A(Standard unit); Long run unit max. current 10A(can be set according to battery capacity installed)	
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	
STANDARDS		
LVD (Safety)	IEC/EN 62040-1/IEC/EN 60950-1	
EMC	IEC/EN62040-2/IEC61000-4-2/IEC61000-4-3/IEC61000-4-4/IEC61000-4-5/IEC61000-4-6/IEC61000-4-8	
PHYSICAL		
Dimensions (WxDxH) [mm]	443x580x131 (3U)	
Weight [kg]	23	25

FEATURES

- Online-Double conversion
- Non Transfer Time of Output
- PFC Technology
- Full Digital Control (DSP)
- Output Power factor 0.9
- Input Current Harmonic < 3%
- ECO Function
- Charging/Rectifier/Inverter Fully Digital Control Technology
- Optimization Battery Group, the Quantity of Battery: 16/18/20 pieces (optional)
- Wide Input Voltage Range: 120-276V
- Wide Input Frequency Range: 45-55Hz/54-66
- Self-Testing When UPS Startup
- Input Over/Under Voltage Protection
- Automatic Bypass
- Cold Start
- Communication Port: RS232, USB
- Options: SNMP Card/ Relay Card

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