

6-10kVA Rack Mount 4U Online Single Phase UPS Built in batteries



EP-UPS6000P110R



Extra battery ext. unit
(optional)



2U PDU
(optional)

Technical Specifications

MODEL NAME	EP-UPS6000P110R / EP-UPS6000P110R-9	EP-UPS10000P110R / EP-UPS10000P110R-9
Capacity (VA / W)	6 kVA / 6 kW	10 kVA / 10 kW
Phase	Single phase	
Topology	Double Conversion On-Line	
Cooling	Fan cooled	
Installation Type	Rack/Tower	
INPUT		
Nominal voltage	208 / 220 / 230 (Default) / 240 Vac	
Voltage Range	110 - 300 Vac (110 - 176 Vac @ 50% load / 176 - 300 Vac @ 100 % load)	
Frequency Range	40 - 70 Hz	
Harmonic distortion(THDi)	< 2%	
Power Factor	> 0.99	
Input Connection	Terminal (L+N+G)	
OUTPUT		
Output Power	6 kW	10 kW
Power factor	1.0	
Output Waveform	Pure Sinewave	
Online Efficiency (up to)	95.0%	95.5%
Economy mode efficiency	97.5%	98%
Output Voltage	208 / 220 / 230 (Default) / 240 Vac	
Voltage Regulation	±1%	
Output Voltage Regulation (Dynamic)	±5%	
Harmonic distortion(THDv)	< 1% (Full Linear load) < 3% (Full nonlinear load)	
Output Frequency	50 / 60Hz ± 10 % (Line mode); 50 / 60 Hz (default) ± 0.1 % (Battery mode)	
Over Load Capability (Online mode)	105 % ~ 110 %: UPS transfer to bypass after 60 minutes 110 % ~ 125 %: UPS transfer to bypass after 10 minutes 125 % ~ 150 %: UPS transfer to bypass after 1 minute > 150 %: UPS transfer to bypass after 0.5 second	
Over Load Capability (Battery mode)	105 % ~ 110 %: UPS will shut down after 10 min 110 % ~ 125 %: UPS will shut down after 1 min 125 % ~ 150 %: UPS will shut down after 10 sec > 150 %: UPS will shut down after 0.5 second	
Over Load Capability (Bypass mode)	105 % ~ 130 %: Only Overload alarm 130 % ~ 150 %: UPS will shut down after 10 min 150 % ~ 200 %: UPS will shut down after 1 min > 200 %: will shut down after 0.5 sec	
Current Crest Ratio	3:1	
Outlets - Total	Terminal (L+N+G) - Non-Programmable Receptacles C19 * 2 + C13 * 3 - Programmable Receptacles	
TRANSFER TIME		
AC mode <-> Bat. Mode	0 ms typical	
Inverter <-> bypass	0 ms typical	

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BYPASS		
Voltage range	208 / 220 Vac Max. voltage: + 25 % (optional + 10 %, +15%, + 20 %) 230 Vac Max. voltage: + 20 % (optional + 10%, + 15 %) 240 Vac Max.voltage: +15% (optional + 10%) Min. voltage: - 45 % (optional -10 %, -20 %, -30 %)	
Frequency range	Frequency Protection Range: ± 10 %	
ECO Range	Rated Voltage ± 10 %	
BATTERY		
Battery Type	EP-UPS6000P110R/EP-UPS10000P110R: 7Ah 12V Lead-Acid EP-UPS6000P110R-9/EP-UPS10000P110R-9: 9Ah 12V Lead-Acid	
Battery Quantity	16 pcs	
Nominal DC Voltage	VRLA	192 V
Charge Current (max.)	12 A	15 A
Ext. Battery Connector. Y/N	Yes	
COMMUNICATION		
Control panel LCD (English-Language)+LED	3.5 inch Color touch screen	
RS232 port	Yes	
RS485 port	Yes	
USB port	Yes	
Parallel port	Yes	
Emergency Power Off (EPO)	Yes	
Maintenance bypass dry contact (MAINT.)	Yes	
COM port	Optional	
Battery Temperature Contact port (BATT)	Optional	
Intelligent card slot	Single slot: Large Double slot: Large+Mini	
Programmable dry contact port	Optional (4 Input+4 Output)	
OPERATING ENVIRONMENT		
Operating temperature	0°C ~ 40°C (40°C ~ 50°C derating to 75 % load)	
Storage temperature	- 25°C ~ 55°C (without batteries)	
Humidity range	0 ~ 95 % RH (Non-condensing)	
Operating altitude	0 ~ 1000 meters: Normal operation. 1000 ~ 3000 meters: Derating	
Protection Class	IP20	
Noise level (online mode) *	≤45dB @ 1 meter	≤50dB @ 1 meter
STANDARDS		
EMC	CB: IEC 62040-1:2017, CE-LVD: EN 62040-1:2008+A1:2013 IEC 62040-2-2016, EN 62040-2-2018 C2	
OTHERS		
Generator Compatible	Yes	
Short Circuit	Hold Whole System	
Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately	
Low battery voltage	Alarm and Switch off	
EPO	Shut down UPS immediately	
Audible & Visual alarms	Line Failure, Battery Low, Overload, System Fault	
Warranty	3 years (1 year on batteries)	
PHYSICAL FEATURES		
Dimensions W x D x H (mm)	440 * 621.5 * 175 (4U)	
Net Weight (kg)	57/59 kg	59/65 kg
ACCESSORIES		
2U PDU (optional)	EVI part no. EP-UPSP11-MBP	
Battery extension unit (optional)	EVI part no. EP-UPSRPBC7A16 / EP-UPSRPBC9A16	
SNMP Card (optional)	EVI Part no. EP-UPSYACASN	
Mounting brackets	Included in package	
Tower stand	Included in package	
Rail kit (optional)	EVI part no. EP-RAILKIT3KVART	