

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



EP-UPS6000P110R
(built in 16 x 7Ah batteries)



Extra battery ext. unit
(optional)



2U PDU
(optional)

Technical Specifications

MODEL NAME	EP-UPS6000P110R	EP-UPS10000P110R
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		Lead-Acid, 12V 7Ah	
Battery Number		16 pcs	
Nominal DC Voltage	VRLA	192 V	
		16 Pcs	
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			
Dimension W x D x H (mm)		440 * 621.5 * 175 (4U)	
Net Weight (kgs)		57 kg	59 kg
ACCESSORIES			
2U PDU (optional)		EVI part no. EP-UPSP11-MBP	
Battery extension unit (optional)		EVI part no. EP-UPSRPBC7A16 (16x7Ah, rack mountable)	
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	