



# Technical Specification



## EPC Modular Online UPS 10-90kVA

Model		EPC020/10X	EPC040/10X	EPC060/10X	EPC030/15X	EPC045/15X	EPC090/15X
<b>System Capacity</b>		10kW-60kW			15kW-90kW		
<b>Input</b>	Rated Voltage	380VAC ~ 415VAC, 3Ph+N+PE					
	Frequency	50/60Hz					
	Voltage Window	Up 276Vac; Down -40% (-20%, -30%, -40% selectable) -20%~-40% rated power derating from 100%~80%					
	Frequency Window	40-70Hz (Configurable)					
<b>Bypass</b>	Voltage	380VAC ~ 415VAC, 3Ph+N+PE					
	Voltage Window	-20%+15% default; -40%+25% selectable					
	Overload Capability	125%, long time operation			110%, long time operation		
		125%< load <130%, last for more than 10 mins			110%< load <130%, last for more than 5 mins		
		130%<load<150%, last for more than 1 min			130%<load<150%, last for more than 1 min		
load>150%, last for more than 300ms			load>150%, last for more than 300ms				
<b>Output</b>	Voltage	380VAC ~ 415VAC, 3Ph+N+PE					
	THDi (Total Harmonic Distortion) *	THD<1% (linear load), THD<5.5% (nonlinear load)					
	Power Factor	1					
	Overload Capability	<102%, long time					
		110%, transfer to bypass after 60minutes					
		125%, transfer to bypass after 10 minutes					
		150%, transfer to bypass after 1 minute					
		>150%, transfer to bypass after 200ms					
Phase tolerance	120°±0.5° (balance and unbalance load)						
Crest factor	3: 1						
<b>Battery</b>	Voltage	±240VDC					
	Charge Power	20%*Active Power					
	Charger voltage precision	1%					
	Battery Mode Efficiency*	94.50%					
<b>System</b>	System Efficiency*	Normal mode: 95%max					
		ECO mode: 99%					
	Display	7" touched colourful LCD+LED					
	IP class	IP20					
	Interface (Communication Ports)	RS232, RS485, Dry contactor, SNMP card(optional), EPO Parallel					
	Installation/Connection	Back or bottom cable entry					
	Operation temperature	0-45°C					
	Storage temperature	-40°C~70°C					
	Relative humidity	0-95% (non-condensing)					
Noise(dB)(1m away from front panel)	56dB (one module)			58dB (one module)			
<b>Physical</b>	Dimension(W*D*H) mm	485*697*398(7U)	485*697*575(11U)	485*751*1033(21U)	485*697*398(7U)	485*751*575(11U)	485*751*1033(21U)
	Net/Package Weight(kg)	42/58	51/68	85/102	42/58	57/74	85/102
		Power module: PM10X	436*590*85mm/15.3/16		PM15X	436*590*85mm/15.5/16	

