



EPC-T31 Series Tower Online UPS 10-40kVA

Model	EPC-T3110XL	EPC-T3115XL	EPC-T3120XL	
Power	10kVA	15kVA	20kVA	
Power(kW)	10kW	15kW	20kW	
Input	Cold Start	YES		
	Acceptable Input Voltage	Line -Line 190VAC~499VAC, 3Ph+N+PE 100% load@>305VAC, 90% load@>266VAC, 75% load@>228VAC, 50% load@>190VAC		
	Line Low Transfer	190VAC		
	Line Low Recovery	209VAC		
	Line High Transfer	499VAC		
	Line High Recovery	486VAC		
	Input Current rating (nominal input voltage)	16.5A/380V	25A/380V	33A/380V
	Input Power Factor	≥0.99		
	Input Current Distortion	≤4%		
	Input Frequency Range	40~70Hz (Configurable)		
Output	Nominal voltage	208VAC ~ 240VAC, 1Ph+N (PF=0.9)		
	Voltage regulation	± 1 %		
	Voltage distortion	≤1% THD, linear load, ≤3% THD, nonlinear load		
	Output Frequency	50/60Hz (Configurable)		
Transfer Time	Line mode to battery mode	0ms		
	Inverter to bypass	0ms		
Battery & Charger	Quantity	16-20PCS settable	16-20PCS settable	16-20PCS settable
	DC Voltage	192VDC default, settable		
	Charging current (max)	5A max, settable	5A max, settable	5A max, settable
	Float Charging Voltage	2.25V/cell default, settable via software		
	Boost Charging Voltage	2.25V/cell default, settable via software		
System	Line mode with the battery fully charged	94% @ 100% load, 94.5% @ 70% load	94.2% @ 100% load, 95% @ 70% load	94.2% @ 100% load, 95% @ 50% load
	ECO mode	98.00%		
	Noise (1m away)	<55dB	<62dB	<62dB
	Overload Capability (Inverter)	105% to 110%: Transfer to bypass after 10 mins, 111% to 125%: Transfer to bypass after 1 minute, 126% to 150%: Transfer to bypass after 30s		
	Overload Capability (Bypass Mode)	less than 125%: long time running, 126% to 130%: Shutdown in 5 mins, 131% to 150%: Shutdown in 1 min, > 150%: Shutdown in 200 ms		
	Display	LED+LCD		
	Interface	Smart RS232, Standard Cable support Power Monitor Software		
	EPO	NC, NO settable, forbidden default		
Options	RS485 - Installed in the intelligent slot, SNMP - Power Management from SNMP Manager and Web Browser, Intelligent Kits - DB9 port/dry contact, Parallel Up to 4 Units, Supercharger (12A) - digitally controlled 4-steps charge (settable)			
Working Environment	Storage	-40~70°C		
	Working	0~40°C, humidity 95% non-condensation, attitude<3000m (@full load)		
Physical	W*D*H (mm)	190*553*336	190*542*500	
	Net Weight (kg)	18	26	
	Package Weight (kg)	20	30	
	Rack / Tower	Tower		
	Colour	Black Default		



Technical Specification



Model		EPC-T3140L
Power		40KVA
Power(kW)		36KW
Input	Acceptable Input Voltage	Line -Line 190VAC~499VAC, 3Ph+N+PE 100% load@>305VAC, 90% load@>266VAC, 75% load@>228VAC, 50% load@>190VAC
	Line Low Transfer	190VAC
	Line Low Recovery	209VAC
	Line High Transfer	499VAC
	Line High Recovery	486VAC
	Input Current Rating (nominal input voltage)	70A/380V
	Input Power Factor	≥0.99
	Input Current Distortion	≤5%
	Input Frequency Range	40~70Hz (Configurable)
Output	Nominal voltage	208VAC ~ 240VAC, 1Ph+N (PF=0.8)
	Voltage regulation	± 1 %
	Voltage distortion	≤1% THD, linear load
		≤3% THD, nonlinear load
Output Frequency	50/60Hz (Configurable)	
Battery	DC voltage	±240VDC
	Charger	Digital charger
	-Charging current (max)	20% *output power
Bypass	Bypass voltage range	upper limit: 10%/15%/20%/25%@220VAC, lower limit:10%/20%/30%/40%
	Bypass frequency	50/60Hz (Configurable)
	Bypass overload capacity	less than 125%: long time running; 126% to 130%: Shutdown in 5mins ; 131% to 150% :Shutdown in 1 mins ; > 150% :Shutdown in 200 ms
Transfer Time	Line mode to battery mode	0ms
	Inverter to bypass	0ms
System	Line mode with the battery fully charged	94%@100% load, 94.5%@70% load
	ECO mode	98.00%
	Overload Capability (Inverter)	105% to 110%: Transfer to bypass after 10 mins.
		111% to 125%: Transfer to bypass after 1 min.
		126% to 150%: Transfer to bypass after 30s
	Noise (1m away)	65dB @ 100% load, 62dB @ 45% load
	Crest Factor	3:01
Display	LED + color touch LCD	
Interface	Standard: RS232, RS485, USB, dry contact. Optional: SNMP, AS/400	
Altitude	<1000m, within 1000m to 2000m, power derate 1% for every 100m rise	
Working Environment	Storage	-40~70°C
	Working	0~40°C, humidity 95% non-condensation, attitude<1500m (@full load)
Physical	W*D*H (mm)	600*980*950
	Net Weight (KG)	170
	Color	Black Default