

Code	AU9010LGLAE09X	AU9015LGLAE09X	AU2040LGLAE09X	AU9030LGLAE09X	AU9040LGLAE09X
Capacity (V A / W)	10KVA/9KW	15KVA/13.5	20KVA/18	30KVA/27	40KVA/36
<b>INPUT</b>					
Phase	three phase with ground				
Rated Voltage	380V / 400V / 415Vac				
Voltage	± 20%				
Frequency	50-60 Hz ± 5 HZ				
Power Factor	≥0.8(without filter) ≥0.95 (with filter)				
Bypass voltage range	± 20%				
FCO voltage range	± 10%				
<b>OUTPUT</b>					
Phase	three phase with ground				
Voltage	380V /400V / 415Vac				
Voltage regulation	±1%				
Frequency	Synchronized with utility in mains modes. 50/60 HZ ± 0.1% in battery mode				
Waveform	Sinusoidal				
Crest Factor	3:1				
Total Harmonic Distortion	≤3% (Linear Load); ≤8% (Non-linear Load)				
Transfer Time	AC mode to battery mode :0ms Inverter mode to bypass mode 0ms Inverter mode to ECO mode:5~10ms				
Inverter Overload Capability	105 : %long Time running 105%~110%: Transfer to bypass in 1h 110%~125% : Transfer to bypass in 10mins 125%~150% : Transfer to bypass in 1mins 150%~200% : Transfer to bypass in 200ms >200% : Transfer to bypass in 100ms				
Bypass Overload Capability	≤150% long time running 150% < load < 200% power off in 1 min >200%: power off in 100ms				
<b>EFFICIENCY</b>					
EFFICIENCY	Working mode ≥ 89% ECO mode ≥ 98%				
<b>BATTERY</b>					
DC Voltage	360 V (12V x 30 pcs, optional 28 pcs and 29 pcs)				
Charger Current	0~20 A				
<b>SYSTEM</b>					
Alarm	Battery mode, low battery, fans fault etc				
Surge protection	IEC60664-1				
Insulation resistance	>2MΩ(500Vdc)				
Dielectric strength	2820Vdc.no arc in 1 min				
Ip rating	Ip 20				
EMI	EN62040-2				
EMS	IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4(EFT) IEC61000-4-5(SURGE)				
<b>MANAGEMENT</b>					
Standard RS - 232 , Optional USB	Supports Windows 98/2000/2003/XP/Vista/2008, Windows 7/8/10				
SNMP (option)	Power management from SNMP manager and web browser				
<b>OTHERS</b>					
Humidity	0~95% RH @ 0-40C (non-condensing)				
Noise Level	55 dB (1m)				
Dimension(DxWxH) (mm)	400X800X1100				
Packaged dimension (DxWxH) (mm)	490X890X1170				
Net Weight(kg)	158	165	175	210	260

- All specifications subject to change without notice.
- Custom-made specifications are acceptable.

Code	AU9060LGTAE09X	AU9080LGTAE09X	AU90100LGTAE09X	AU90120LGTAE09X
Capacity (V A / W)	60KVA/54	80KVA/72	100KVA/90	120KVA/108
<b>INPUT</b>				
Phase	three phase with ground			
Rated Voltage	380V / 400V / 415Vac			
Voltage	± 20%			
Frequency	50-60 Hz ±5 HZ			
Power Factor	≥0.8(without filter) ≥0.95 (with filter)			
Bypass voltage range	± 20%			
FCO voltage range	± 10%			
<b>OUTPUT</b>				
Phase	three phase with ground			
Voltage	380V /400V / 415Vac			
Voltage regulation	±1%			
Frequency	Synchronized with utility in mains modes. 50/60 HZ ± 0.1% in battery mode			
Waveform	Sinusoidal			
Crest Factor	3:1			
Total Harmonic Distortion	≤3% (Linear Load); ≤8% (Non-linear Load)			
Transfer Time	AC mode to battery mode :0ms Inverter mode to bypass mode 0ms Inverter mode to ECO mode:5~10ms			
Inverter Overload Capability	105% : %long Time running 105%~110%: Transfer to bypass in 1h 110%~125% : Transfer to bypass in 10mins 125%~150% : Transfer to bypass in 1mins 150%~200% : Transfer to bypass in 200ms >200% : Transfer to bypass in 100ms			
Bypass Overload Capability	≤150% long time running 150% < load < 200% power off in 1 min >200%: power off in 100ms			
<b>EFFICIENCY</b>				
EFFICIENCY	Working mode ≥ 91% ECO mode ≥98%			
<b>BATTERY</b>				
DC Voltage	360 V (12V x 30 pcs, optional 28 pcs and 29 pcs)			
Charger Current	0~30 A			
<b>SYSTEM</b>				
Alarm	Battery mode, low battery, fans fault etc			
Surge protection	IEC60664-1			
Insulation resistance	>2MΩ(500Vdc)			
Dielectric strength	2820Vdc.no arc in 1 min			
Ip rating	Ip 20			
EMI	EN62040-2			
EMS	IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4(EFT) IEC61000-4-5(SURGE)			
<b>MANAGEMENT</b>				
Standard RS - 232 , Optional USB	Supports Windows 98/2000/2003/XP/Vista/2008, Windows 7/8/10			
SNMP (option)	Power management from SNMP manager and web browser			
<b>OTHERS</b>				
Humidity	0~95% RH @ 0-40 °C (non-condensing)			
Noise Level	55 dB (1m)			
Dimension(DxWxH) (mm)	600x700x1500	700x800x1700		
Packaged dimension (DxWxH) (mm)	690x790x1570	790x890x1770		
Net Weight(kg)	460	590	630	690

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- Custom-made specifications are acceptable.

# TEC 9000-EL



## Features

- Online double-conversion with full DSP control
- IGBT inverter with output isolation transformer
- 100% unbalance load capability
- Output power factor 0.9
- Generator compatible
- Support battery cold start and auto-restart when mains power is restored
- ECO mode operation for energy saving
- Superior protection
- 5.7 inches LCD touch screen, friendly human & machine interface
- Front access makes maintenance and replacement easy (40 ~ 120KVA)
- Intelligent self-diagnosing function, all kinds of failure protection, large capability of history records storage
- High MTBF (>200,000h)
- Low MTTR (<0.5h)
- Standard emergency power off (EPO)
- Standard RS232,RS485,dry contacts communication port
- Optional SNMP communication port
- Optional N+X redundancy parallel up to 6 units
- Optional input filter to improve input power factor

TEC 9000-EL series UPS is a intelligent 3phase in 3phase out uninterruptible power supply, this UPS adopts double transform high frequency PWM and high performance digital control technique (DSP), with perfect protection, super network management function, reasonable man-machine interface and a series of precision design, meet all area of the high reliability requirements of uninterruptible power supply. Integrate reliable, safety, maintainability characteristics of a new generation low frequency uninterruptible power supply.

The whole system adopts full digital control, Inverter control,phase synchronization, input rectifier control, logic control using the DSP digital signal processing, high precision, the control circuit is simple, high reliability.