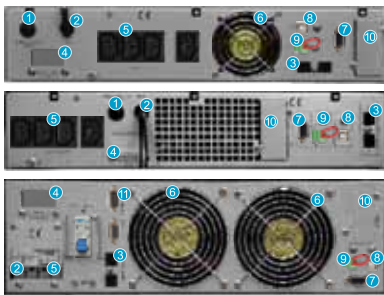


1 ~ 3KVA

6 ~ 10KVA

**Rear Panel**

1. Overcurrent Protection
2. AC Input
3. Modem/Tel/Fax
4. DC Input
5. Outlet
6. Fan
7. RS232
8. USB (optional)
9. EPO (optional)
10. SNMP/AS400 (optional)
11. Parallel Card (optional)



## Working in Power

**TEC 9000-ER-ERL** Online UPS  
1 phase - 1 Phase      1~10KVA PF:0.9

### RACK-TOWER-CONVERTIBLE

**Features**

- Rack/Tower design
- High frequency and true double-conversion
- DSP digital control technology
- Input power factor correction (PFC)
- Wide input voltage range (110V~300V)
- Output power factor 0.9
- Cold start
- Auto sensing frequency
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- Output bypass settable for 1,2,3KVA via LCD
- 50Hz/60Hz frequency conversion mode available on 6~10KVA
- Selectable battery low voltage via LCD
- Power-on self test
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatic charging in OFF mode
- Fan speed auto control when loads varies
- Standard RS232 communication port and RJ45 protection
- Optional USB / SNMP communication port
- Optional emergency power off (EPO)
- Optional extension battery bank
- Optional N+X redundancy parallel on 6 ~ 10KVA

● MEDIUM OFFICE

● SINGLE SERVERS

● ROUTERS MODEM

● SECURITY SYSTEMS



شرکت مهندسين مشاور آرا تجهیز سیستم  
نشانی: تهران، خیابان آپادانا، پلاک ۱۹۴      تلفن: ۸۸۷۶۱۶۹۳ ، ۸۸۷۴۲۰۷۴ ، ۸۸۴۵۷۲۲۳ - فکس: ۸۸۴۵۷۱۹۵ ، ۸۸۷۵۰۳۹۷  
No. 194, St. Apadana, Tehran-Iran      Tel: 88761693 , 88742074 , 88457223      Fax: 88457195 , 88750397  
www.atsys.ir      info@atsys.ir

# TEC 9000-ER 9000-ERL

Code	Standard model	AU9001IECHBEC9X	AU9002IECHBED9X	AU9003IECHBEE9X	AU9006IECHBEK9X	AU9010IECHBEK9X
	TEC CAB				APAC240R07BE3XX	APAC240R09BE3XX
	Long time model	AU9001LECHBEC9X	AU9002LECHBEFD9X	AU9003LECHBEE9X	AU9006LECHBEK9X	AU9010LECHBEK9X
Capacity (VA / W)		1KVA/900W	2KVA/1800W	3KVA/2700W	6KVA/5400W	10KVA/9000W
<b>INPUT</b>						
Phase	Single phase with ground					
Voltage range	208V / 220V / 230V / 240Vac					
Voltage Range	Half load	(115~295) ±5 Vac				
	Full load	(145~295) ±5 Vac		(165~295) ±5 Vac		
Frequency	(45~55) ±0.5%Hz or (55~65) ±0.5%Hz (auto sense)					
Power Factor	≥ 0.98			≥ 0.99		
Bypass voltage range	-34V (Rated output voltage) +32V			160V (Rated output voltage) +32V		
<b>OUTPUT</b>						
Phase	Single phase with ground					
Voltage	208V / 220V / 230V / 240Vac (set table via LCD)					
Voltage regulation	±1%					
Frequency	Synchronized with utility in mains mode; 50/60Hz ± 0.2Hz in battery mode					
Waveform	Pure Sine wave					
Current Crest Ratio	3:1					
Harmonic Distortion	≤ 3% (Linear Load); ≤ 5% (Non-linear Load)			≤ 2% (Linear Load); ≤ 5% (Non-linear Load)		
Transfer Time	AC Mode to Batt. Mode	Zero				
	Inverter to Bypass	4 ms (Typical)			Zero	
Overload Capability	105% ~ 150%: transfer to bypass in 30s			105% ~ 125%: transfer to bypass in 3mins		
	> 150%: transfer to bypass in 300ms			125 ~ 150%: transfer to bypass in 30ms		
<b>EFFICIENCY</b>						
AC Mode	≥ 90%			≥ 92%		
Battery Mode	≥ 87%			≥ 91%		
ECO Mode	≥ 98%					
<b>BATTERY</b>						
DC Voltage	36Vdc	48Vdc	72Vdc	240Vdc		
Numbers	3	4	6	20		
Battery Type	12V / 9Ah	12V / 9Ah	12V / 9Ah	12V / 7Ah	12V / 9Ah	
Charging Current	Standard model	1A				
	Long time model	6A			1A, 3A, 5A, 6A	
Typical Recharge Time (hours)	8 h					
<b>ALARM</b>						
Utility failure	Beep / 4 seconds					
Low Battery	Beep / 1 seconds					
Overload	Beep twice / 1 seconds					
Fault	Long Beep					
<b>MANAGEMENT</b>						
RS-232 (standard) , USB (option)	Supports Windows 98/2000/2003/XP/Vista/2008, Windows 7/8/10					
SNMP (option)	Power management from SNMP manager and web browser					
Dimension (DxWxH) (mm)	Standard model	440x468x88	440x718x88		440x555x132 (UPS)	
					440x555x132 (BAT)	
	Long time model	440x468x88			440x555x132	
Net Weight (kg)	Standard model	16.7	23.4	29.7	16.4 (UPS)	17.1 (UPS)
					53 (BAT)	49.6 (BAT)
	Long time model	8.6	10.7	12.3	16.4	17.1
<b>ENVIRONMENT</b>						
Humidity	20-90% RH, 0-40°C (non-condensing)					
Noise Level	≤ 50dBA (1m)			≤ 55dBA (1m)		

\* TEC 9000-ER standard model, TEC 9000-ERL means long time model.

\*\* Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208Vac.  
Product specifications are subject to change without further notice.