

Tacoma Tower Series 6K, 10K, 3/1 10K, 3/1 20K

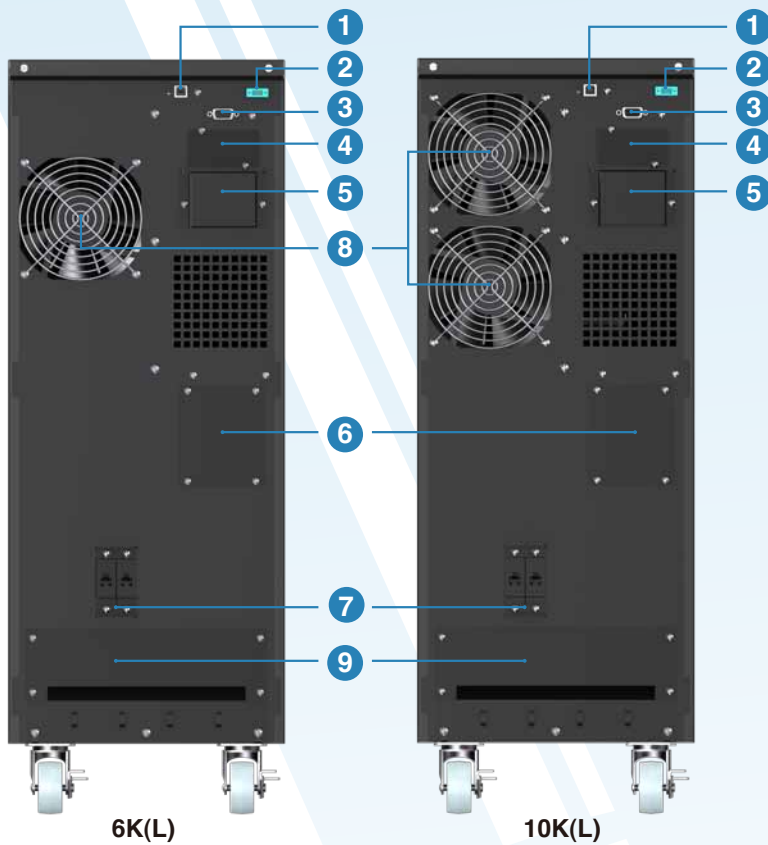
The Tacoma Series Double Conversion Online UPS, equipped with full-time Digital Signal Processor (DSP) control technology, greatly reduces harmonic distortion in non-linear loads without manual intervention. DSP provides an improved design for the Tacoma, making it software controllable, adding some facilities such as remote configuration and monitoring.

Application: Best Protection for Server Rooms, Networking Applications, Data Server Rooms, Telecom Servers, and Medical Server Applications.

Features:

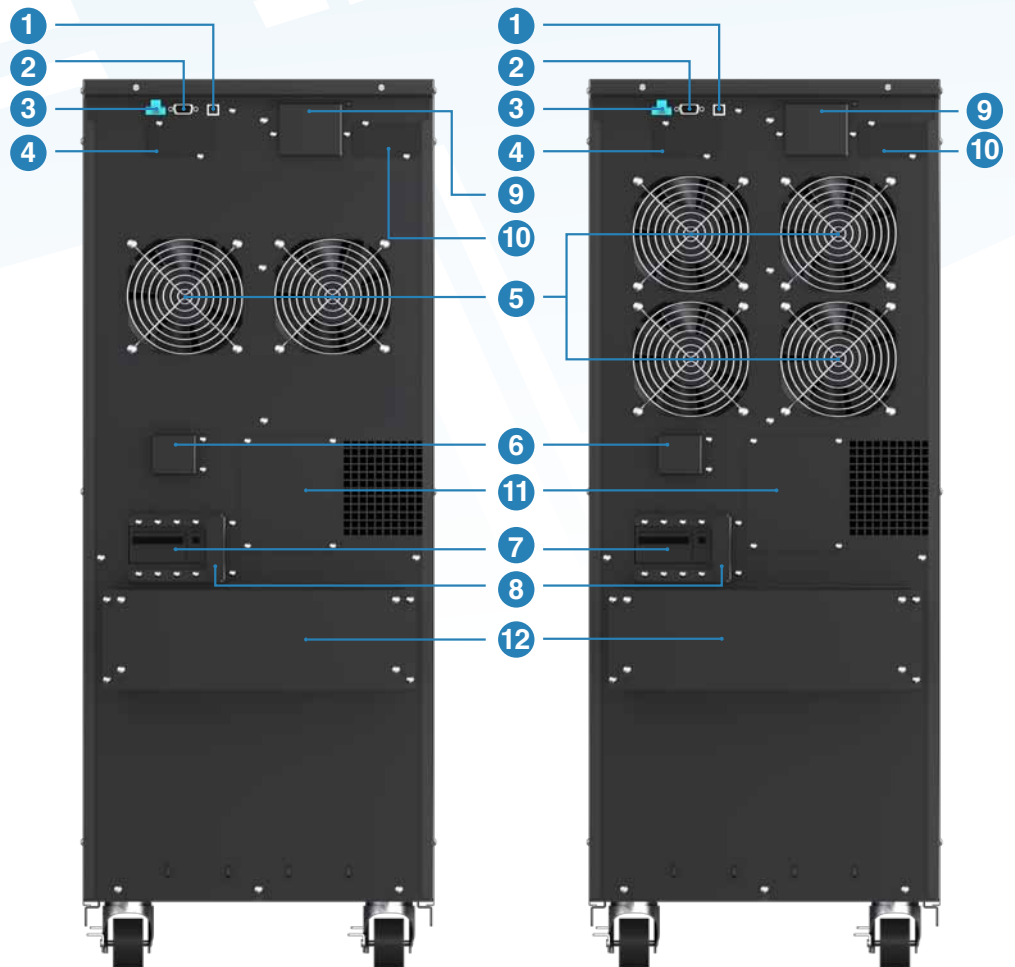
- 0.9 high output power factor
- High efficiency mode (ECO)
- DSP controlled for advance maintenance
- Frequency converter mode
- Input THDi<5% and Output THDv<2%
- Output voltage regulation <1%
- Fan speed controller based on UPS load
- Extendable runtime feature
- RS-232 and USB ports for power management software
- AC input phase selectable: 1/1 or 3/1 (TAC-10K31/20K31)
- N +X Parallel Redundancy
- SNMP card (optional)
- EPO (Emergency Power Off)





REAR PANEL

- 1. USB Port
- 2. EPO
- 3. Dry Contact Port
- 4. Intelligent Slot
- 5. Parallel Port (Optional)
- 6. Maintenance Switch
- 7. Input Breaker
- 8. Fan
- 9. Terminal Block (Input/Output/Battery)



REAR PANEL

- 1. USB Port
- 2. RS232 Port
- 3. EPO
- 4. AS400 Slot
- 5. Fan
- 6. Back Feed Connector
- 7. Input Breaker
- 8. Neutral Switch
- 9. Parallel Port (Optional)
- 10. Intelligent Slot
- 11. Maintenance Switch
- 12. Terminal Block (Input/Output/Battery)

TACOMA TOWER 6KVA~10KVA UPS Specification

MODEL		TAC-6K	TAC-6KL	TAC-10K	TAC-10KL	
CAPACITY	VAW	6KVA/5.4KW	6KVA/5.4KW	10KVA/9KW	10KVA/9KW	
INPUT	Acceptable Input voltage	110VAC-276VAC				
	Adjustable Bypass voltage	110VAC-276VAC				
	Frequency Range	45-55Hz / 54-66Hz				
	Phase	Single Phase with Ground				
	THDi	< 5% with R Full Load				
	Power Factor	>0.99@R Full Load				
OUTPUT	Voltage	208VAC/220VAC/230VAC/240VAC				
	Voltage Regulation	< 1%				
	Frequency (Synchronized Range)	45-55Hz/54-66Hz				
	Frequency (BAT Mode)	50/60Hz±0.05Hz				
	Current Crest Ratio	3:1				
	Harmonic Distortion	≤ 2% @Linear Load				
		≤ 5% @Non-linear Load				
	Output Waveform	Pure Sine Wave				
	Overload Capacity	Line Mode	2min @105% ~ 125%			
		BAT Mode	30s @125%~150% 1s @>150%			
PARALLEL	UP to 4 units					
EFFICIENCY	Line Mode	>92%@Full Load and Battery Fully Charged				
	BAT Mode	>92%@Full Load and 12Vdc/Battery				
	ECO Mode	>96%@Full Load and Battery Fully Charged				
BATTERY	Number of Internal Batteries Per Set	20pcs	Depend on The Capacity of External Batteries	20pcs	Depend on The Capacity of External Batteries	
	Battery Type	12Vdc/7.2Ah		12Vdc/9Ah		
	Backup Time	>5minutes		>5minutes		
	Recharge Time	5h Charge to 90%		5h Charge to 90%		
	Charging Current (max)	1.2A	4.0A	1.2A	4.0A	
	Rated Battery Voltage	240VDC				
TRANSFER TIME	LINE <--> BAT	0ms				
	INV <--> BYPASS	0ms				
	ECO--> INV	<10ms				
INDICATOR	LCD	Load Level/Battery Voltage/Battery Mode/AC Mode/Bypass Mode Information				
AUDIBLE ALARM	BAT Mode	Sounding Every Four Seconds				
	Low Battery	Sounding Every Second				
	UPS Fault	Continuously Sounding				
	Overload	Sounding Twice Every Second				
PHYSICAL	Tower Case(WxHxL)mm	260 x 708 x 550				
	Weight (kg)	90	40	93	41	
ENVIRONMENT	Operation Environment	0-40℃				
	Relative Humidity	0 ~ 95% (No Condensing)				
	Noise Level	<50dB @ 1 meter				
INTERFACE	RS232/USB	Software Supports Windows Family , Linux , Sun Solaris , IBM Aix , Compaq True64 , SGIIRIX , FreeBSD , HP-UX , MAC				
	Intelligent Slot	SNMP/AS400/Relay Card				
	EPO	Emergency Power Off				

* Specifications may change without further notice

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• TACOMA TOWER 3/1 10KVA~20KVA Combo UPS Specification

MODEL		TAC-10K31	TAC-20K31
CAPACITY	VA/W	10KVA/9KW	20KVA/18KW
INPUT	Acceptable Input Voltage	110VAC-276VAC Depends on Load Level For Single Phase Input 190VAC-478VAC Depends on Load Level For Three Phase Input	
	Adjustable Bypass Voltage	110VAC-276VAC	
	Frequency Range	45-55Hz / 54-66Hz	
	Phase	Three Phase with Ground(Combo)	
	THDi	< 5% with R Full Load	
	Power Factor	>0.99@R Full Load	
OUTPUT	Voltage	200VAC/208VAC/220VAC/230VAC/240VAC	
	Voltage Regulation	< 1%	
	Frequency (Synchronized Range)	45-55Hz / 54-66Hz	
	Frequency (BAT Mode)	50/60Hz±0.05Hz	
	Current Crest Ratio	3:1	
	Harmonic Distortion	≤ 2% @Linear Load	
		≤ 5% @Non-linear Load	
	Output Waveform	Pure Sine Wave	
	Overload Capacity	Line Mode	3min @100% ~ 110% 30s @110% ~ 130% 5s @130%~150% 1s @>150%
BAT Mode			
PARALLEL	UP to 4 units		
EFFICIENCY	Line Mode	>94% @Full Load and Battery Fully Charged	
	BAT Mode	>93% @Full Load and 12Vdc/Battery	
	ECO Mode	>96% @Full Load and Battery Fully Charged	
BATTERY	Number of Internal Batteries Per Set	24pcs*1Group	24pcs*2Group
	Battery Type	12Vdc/9Ah	12Vdc/9Ah
	Backup Time (full load)	>5minutes	>5minutes
	Recharge Time	3h Charge to 90%	
	Charging Current (Max)	2A(Expandable)	4A(Expandable)
	Rated Battery Voltage	288VDC	
TRANSFER TIME	LINE <--> BAT	0ms	
	INV <--> BYPASS	0ms	
	ECO--> INV	<10ms	
INDICATOR	LCD	Load level/Battery Voltage/Battery Mode/AC Mode/Bypass Mode Information	
AUDIBLE ALARM	BAT Mode	Sounding Every Four Seconds	
	Low Battery	Sounding Every Second	
	UPS Fault	Continuously Sounding	
	Overload	Sounding Twice Every Second	
PHYSICAL	Tower Case(WxHxL)mm	350 x 890 x 650	
	Weight (kg)	115	183
ENVIRONMENT	Operation Environment	0-45°C	
	Relative Humidity	0 ~ 95% (No Condensing)	
	Noise Level	<55dB @ 1 Meter	
INTERFACE	RS232/USB	Software Supports Windows Family , Linux , Sun Solaris , IBM Aix , Compaq True64 , SGIIRIX , FreeBSD , HP-UX , MAC	
	Intelligent Slot	SNMP/AS400/Relay Card	
	EPO	Emergency Power Off	

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