

# TeleMoment

Reliable Critical Power

## Uninterruptible Power Supply TOW33 Series



The TeleMoment TOW Series three phase UPS offers advanced technology that increases performance and reliability: three high speed DSPs with full digital control ensure high quality of power supply, high input power factor and low input current distortion. It also offers humanization design; full front access of serviceability and user friendly interface.

### Technical Specifications

**Double Conversion True  
Online UPS**

**Easy battery replacement  
expansion**

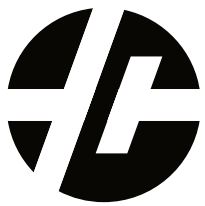
**Web enabled via optional  
SNMP card**

**PCB tropicalisation for tough  
operation environment**

**Extra options:**

- External bypass
- SPD
- PDU
- Rackmount cabinet
- Tailored made batt. cabinet

MODEL			TOW33010XS	TOW33015XS	TOW33020XS	TOW33030XS	TOW33040XS
			TOW33010XL	TOW33015XL	TOW33020XL	TOW33030XL	TOW33040XL
System Capacity			10kVA	15kVA	20kVA	30kVA	40kVA
Input	Dual Input		Standard				
	Phase		3 Phase+Neutral+Ground, 380V/400V/415V(line-line)				
	Input Voltage Range		304~478Vac (line-line), full load; 228V~304Vac (line-line), load decreases linearly according to the min phase voltage				
	Rate Frequency		50/60Hz				
	Input Frequency Range		40Hz - 70Hz				
	Input PF		>0.99				
	Input THDi		<4% ( 100% Linear load )		<3% ( 100% Linear load )		
Bypass	Rate Voltage		380/400/415VAC (line-line)				
	Rate Frequency		50/60Hz				
	Input Voltage Range		Settable, -40% ~ +25%				
	Bypass Frequency Range		Settable, ±1Hz, ±3Hz, ±5Hz				
	Bypass Overload		125% long term operation; 130% for 10 mins; 150% for 1 min				
Output	Rate Voltage		380/400/415VAC (line-line)				
	Voltage Regulation		1% for balance load; 1.5% for unbalance load				
	Rate Frequency		50/60Hz				
	Frequency Precision		0.1%				
	Output PF		1		0.9		
	Output THDv		<1% , Linear load; <4%, Non-linear load				
	Crest Factor		3:1				
	Inverter Overload		110% for 1 hour; 125% for 10 mins; 150% for 1 min; >150% for 200 ms				
	Battery	Voltage		±240VDC			
Battery Number		40pcs (Settable: even number from 32 to 44)					
Voltage Precision		±1%					
Charge Power		up to 20% * Output active power					
Battery Cold Start		Optional					
System		Efficiency	AC Mode	95.0%			
	ECO Mode		98.0%				
	Battery Mode		95.0%				96.0%
	Display		LCD + LED + keyboard				
	IP Class		IP 20				
	Interface		RS232,RS485				
	Option		SNMP Card, Parallel kit, USB, Programmable Dry Contact				
	Temperature		Operation: 0 - 40℃ Storage: -40 - 70℃				
	Relative Humidity		0 - 95% Non-condensing				
	Altitude		<1000m. Within 1000m to 2000m, power derate 1% for every 100m rise				
	Noise (1 meter)		55dB @ 50% load				
	Applicable Standards		Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3				
Physical	Weight (kg)		51.5		89	91	140
			31		50	52	61
	Dimension W*D*H (mm)		250*840*715		350*738*1335		500*840*1400
			250*660*530		250*680*770		250*836*770



# TeleMoment

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