

# TEOS 200E PRO

## 10-20kVA INDUSTRIAL UPS

Three-phase in, single-phase out online UPS with output factor 1. They are designed to support servers, data centers, security systems as well as industrial applications. They can work in parallel using advanced digital parallel connection technology.



### 3 phase in / 1 phase out

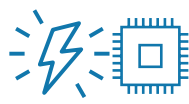
#### ENHANCED POWER PROTECTION



TELECOM



BUILDING POWER  
INFRASTRUCTURE



CRITICAL  
LOADS



MEDICAL  
APPLICATIONS



SMALL DATA  
CENTERS



TRANSPORT  
INFRASTRUCTURE



INDUSTRIAL

## GENERAL CHARACTERISTICS

- Double conversion technology
- High performance DSP technology
- Power factor up to 1
- Input power factor correction function in all phases
- Frequency converter with 50 or 60 Hz option
- ECO mode
- Dual input option
- EPO
- Smart battery management
- LCD + LED screen
- Multiple communication ports capability: USB + RS-232 (standard equipment) / SNMP card (optional)
- Digitally controlled charger for optimum battery performance and life-time
- Self-aging function
- Self-diagnosis function
- Advanced digital parallel function
- Flexible number of batteries

# TEOS 200E PRO

INDUSTRIAL UPS 3 phase in / 1 phase out 10-20 kVA



MODEL	TEOS 210E PRO	TEOS 210E PRO XL	TEOS 220E PRO XL
TESCOM CODE	UPS.0832	UPS.0833	UPS.0834
PHASE	3 phase in / 1 phase out		
CAPACITY	10000 VA / 10000 W		20000 VA / 20000 W
<b>INPUT</b>			
Input wiring	Three-phase five-wire (3Φ + N + PE)		
Rated voltage	380 / 400 / 415 Vac		
Voltage Range	190 ~ 305 Vac (linear derating between 50% and 100% load); 305 ~ 499 Vac (no derating)		
Rated frequency	50 / 60 Hz (auto-sensing)		
Frequency Range	40 ~ 70 Hz		
Power Factor	≥ 0.99 @ 100% load		
Bypass voltage range	- 40% ~ +15% (settable)		
Total harmonic distortion (THDi)	≤ 5%		
<b>OUTPUT</b>			
Output wiring	Single-phase three-wire (1Φ + N + PE)		
Rated voltage	208 (PF=0.9) / 220 / 230 / 240 Vac		
Voltage regulation	± 1%		
Frequency	Synchronized to bypass in mains mode; 50 / 60 Hz ± 0.1% Hz in battery mode		
Waveform	Sinusoidal		
Power factor	1		
Total harmonic distortion (THDv)	≤ 1% (linear load); ≤ 3% (non-linear load)		
Crest factor	3:1		
Overload	105% ~ 110% for 10 min, 110% ~ 125% for 1 min, 126% ~ 150% for 30 s		
<b>BATTERIES</b>			
DC voltage	192 Vdc (192 ~ 240 Vdc settable)		
Number of batteries	16 pcs (16 ~ 20 settable)		
Charging current	1 A	5 A (default), 1 ~ 5 A settable; 10 A (optional)	
Recharge time	90% capacity restored in 8 hours;	depends on battery capacity	
Inbuilt battery	12 V / 9 Ah × 20	-	
<b>SYSTEM</b>			
Efficiency	≥ 94% at 100% load, max. 95% at 60% load, ≥ 98% in ECO mode		
Transfer time	0 ms		
Protections	Short-circuit, output overload, overtemperature, battery low voltage, overvoltage / undervoltage and fan failure		
Max. number of parallel connections	4		
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)		
Display	LCD + LED		
<b>OTHERS</b>			
Operating temperature	0°C ~ 40°C		
Storage temperature	-25°C ~ 55°C (without battery)		
Relative humidity	0 ~ 95% (non-condensing)		
Altitude	≤ 1000 m, derating 1% for each additional 100 m		
IP rating	IP 20		
Noise level at 1 m	≤ 58 dB		
Dimensions (W × D × H) (mm)	191 × 495 × 711	191 × 495 × 350	191 × 495 × 515
Packaged dimensions (W × D × H) (mm)	310 × 685 × 941	318 × 617 × 475	285 × 593 × 618
Net weight (kg)	64	18,5	26,5
Gross weight (kg)	72	20	28

\* Product specifications are subject to change without further notice