

## TEOS 200

### 10-30 kVA

**3 Phase UPS power protection for commercial, technical facilities as well as industrial applications**

UPS 3 φασικής ισχύος για προστασία εμπορικών, τεχνικών εγκαταστάσεων καθώς και βιομηχανικών εφαρμογών

## INDUSTRIAL UPS

*3 phase in / 1 phase out*



### ΤΕΧΝΙΚΑ ΧΑΡΑΚΤΗΡΙΣΤΙΚΑ

- Τεχνολογία διπλής μετατροπής
- Συντελεστής ισχύος εξόδου 0.9
- Μετατροπέας συχνότητας με επιλογή 50Hz
- Λειτουργία απενεργοποίησης έκτακτης ανάγκης (EPO)
- Συμβατότητα με γεννήτριες
- Δυνατότητα πολλαπλών θυρών επικοινωνίας: USB + RS-232 (βασικός εξοπλισμός) / SNMP card (προαιρετικά)
- Σχεδιασμός επεκτάσιμου φορτιστή 3-σταδίων φόρτισης για την βέλτιστη απόδοση των συσσωρευτών
- Μεταγωγικός διακόπτης συντήρησης (maintenance bypass)

### GENERAL SPECIFICATIONS

- True double-conversion
- Output power factor 0.9
- 50Hz frequency converter mode
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Maintenance bypass switch

# TEOS 200 10-30 kVA

INDUSTRIAL UPS *3 phase in / 1 phase out*

# Tescom

MODEL	TEOS 210L		TEOS 220L		TEOS 230L	
TESCOM CODE	UPS.0397		UPS.0398		UPS.0399	
PHASE	3 phase in / 1 phase out					
CAPACITY	10000 VA / 9000 W		20000 VA / 18000 W		30000 VA / 27000 W	
<b>INPUT</b>						
Nominal Voltage	3 x 400 VAC (3Ph+N)					
Voltage Range	190-520 VAC (3-phase) @ 50% load 305-478 VAC (3-phase) @ 100% load					
Frequency Range	46~54 Hz or 56~64Hz					
Power Factor	≥ 0.99 @ 100% load					
THDi	< 6% @ 100% load					
<b>OUTPUT</b>						
Output Voltage	208/220/230/240VAC					
AC Voltage Regulation (Batt. Mode)	± 1%					
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz					
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz					
Current Crest Ratio	3:1 (max.)					
Harmonic Distortion	≤ 2 % THD (Linear Load) ; ≤ 5 % THD (Non-linear Load)					
Transfer Time	AC Mode to Batt. Mode		zero			
	Inverter to Bypass		zero			
Waveform (Batt. Mode)	Pure Sinewave					
<b>EFFICIENCY</b>						
AC Mode	91,5%		91,8%		92,1%	
ECO Mode	97%		97%		97%	
Battery Mode	87%		88%		89%	
<b>BATTERY</b>						
Long-run Model	Battery Type	Depending on the capacity of external batteries				
	Numbers					
	Charging Current (max.)	4A (12A optional)	8A (12A optional)		12A	
	Charging Voltage	273 VDC ± 1% (Based on 20pcs bateries)				
<b>INDICATORS</b>						
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions					
<b>ALARM</b>						
Battery Mode	Sounding every 4 seconds					
Low Battery	Sounding every second					
Overload	Sounding twice every second					
Fault	Continuously sounding					
<b>PHYSICAL</b>						
Long-run Model	Dimension, D X W X H (mm)	592 X 250 X 576	592 X 250 X 576		815 x 250 x 826	
	Net Weight (kgs)	28	40		64	
<b>ENVIRONMENT</b>						
Operation Humidity	0-95 % RH @ 0- 40°C (non-condensing)					
Noise Level	Less than 58dB @ 1 Meter		Less than 60dB @ 1 Meter		Less than 65dB @ 1 Meter	
<b>MANAGEMENT</b>						
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux and MAC					
Optional SNMP	Power management from SNMP manager and web browser					

\* L means long-run model

\*\*When using internal batteries from 18-19, the unit will de-rate according to below formula: P=Prating x N/20

\*\*\* Derate capacity to 90% of capacity when the output voltage is adjusted to 208VAC.

\* Product specifications are subject to change without further notice