



10 - 20 kVA

# TEOS 200 SERIES

UNINTERRUPTIBLE POWER SUPPLIES

3 phase in / 1 phase out

## GENERAL SPECIFICATIONS

- True double-conversion
- Output power factor 0.8
- Wide input voltage range
- 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
- Optional maintenance bypass switch





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# TECHNICAL SPECIFICATIONS

MODEL		Teos 210		Teos 215		Teos 220	
Phase		3 phase in / 1 phase out					
Capacity		10000VA / 8000W		15000VA / 12000W		20000VA / 16000 W	
<b>INPUT</b>							
Nominal voltage		3x400VAC (3Ph+N)					
Input voltage range		190-520VAC (3-Phase) @ 50% load 305-520VAC (3-Phase) @ 100% load					
Frequency range		46Hz ~ 54Hz					
<b>OUTPUT</b>							
Output voltage		208/220/230/240VAC					
AC Voltage regulation		± 1% (batt. mode)					
Frequency range		46 ~ 54Hz (synchronized range)					
Frequency range		50Hz ± 0.1Hz (batt. mode)					
Current crest ratio		3:1 (max)					
Harmonic distortion		≤ 3 % THD (Linear Load) ≤ 5 % THD (Non-linear Load)					
Transfer Time	AC Mode to battery mode	Zero					
	Inverter to bypass	Zero					
Waveform (Batt. mode)		Pure Sinewave					
<b>EFFICIENCY</b>							
AC mode		91%					
Battery mode		91%					
<b>BATTERY</b>							
Battery type		12V / 9AH					
Standard Model	Numbers	16 pcs	20 pcs	16 pcs	20 pcs	16 pcs x 2 strings	20 pcs x 2 strings
	Typical recharge time	9 hours recover to 90% capacity					
	Charging current (max.)	1A ± 10%				1A/2A/4A ± 10% (2A default))	
Charging voltage		218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	273 VDC ± 1%	218.4 ± 1%	273 ± 1%
Battery type		Depending on the capacity of external batteries					
Long-run Model	Numbers	16 pcs	20 pcs	16 pcs	20 pcs	16 pcs	20 pcs
	Charging current (max.)	4A Default, 1A/2A/4A (Adjustable)					
	Charging voltage	218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	273 VDC ± 1%	218.4 ± 1%	273 ± 1%
<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>							
Standard Model	Dimension, HxWxD (mm)	688x190x422				826x250x815	
	Net Weight (kg)	66	76	67	78	125	145
Long-run Model	Dimension, HxWxD (mm)	318x190x442				318x190x575	
	Net Weight (kg)	15		16		18.95	
<b>ENVIRONMENT</b>							
Operating humidity		0-95% RH @ 0-50°C (non-condensing)					
Acoustic noise		Less than 60dBA @ 1 Meter					
<b>MANAGEMENT</b>							
Smart RS-232/USB		Supports Windows® 2000/2003/XP/Vista/2008, 7/8, Linux and MAC					
Optional SNMP		Power management from SNMP manager and web browser					