



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





10 - 20 kVA

TECHNICAL SPECIFICATIONS

MODEL		Teos 210		Teos 215		Teos 220	
Phase		3 phase in / 1 phase out					
Capacity		10000VA / 8000W		15000VA / 12000W		20000VA / 16000 W	
INPUT							
Nominal voltage		3x400VAC (3Ph+N)					
Input voltage range		190-520VAC (3-Phase) @ 50% load 305-520VAC (3-Phase) @ 100% load					
Frequency range		46Hz ~ 54Hz					
OUTPUT							
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					
EFFICIENCY							
AC mode		91%					
Battery mode		91%					
BATTERY							
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%
Long-run Model	Battery type	Depending on the capacity of external batteries					
	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%
INDICATORS							
LCD panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions					
ALARM							
Battery mode		Sounding every 4 seconds					
Low battery		Sounding every second					
Overload		Sounding twice every second					
Fault		Continuously sounding					
PHYSICAL							
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	
ENVIRONMENT							
Operating humidity		0-95% RH @ 0-50°C (non-condensing)					
Acoustic noise		Less than 60dBA @ 1 Meter					
MANAGEMENT							
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					