• DATA CENTER • • HOME & OFFICE • • MALLS •

TEOS+ 200

UNINTERRUPTIBLE POWER SUPPLIES

10-20kVA

3 PHASE IN / 1 PHASE OUT

- ADVANCED DSP TECHNOLOGY
- 3-LEVEL TECHNOLOGY
- HIGH EFFICIENCY





TOWER | UPS ONLINE | POWER FACTOR | SERVICE / TECH. SUPPORT | ECO FRIENDLY

TEOS+ 200 Online UPS is a DSP controlled uninterruptible power supply designed as 3-level with true double conversion technology. It stands out with its high output power factor (PF:1) and input power factor correction, high charging current power and maximum efficiency design. It is especially suitable for use in home-office applications and data centers. It offers flexibility of use with its prominent features such as frequency converter mode, wide voltage/frequency range and multiple communication options.

GENERAL SPECIFICATIONS

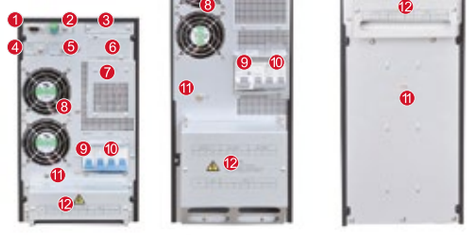
- Active power factor correction (APFC), input power factor up to 0.99
- Advanced digital parallel technology
- 3:1 to 1:1 model settable
- Frequency conversion: 50Hz input / 60Hz output or 60Hz input / 50Hz output
- Dual-input design, supporting independent bypass
- Digitally controlled charger
- High charging current available (Max. 10A)
- Charging voltage and current configured by demands
- Linear derating in low voltage input reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic floating / equalizing charge control, charger dormancy control, increasing battery life by 50%
- Ability to switch on the UPS with batteries
- Equipped with self-aging function
- Compact internal layout, miniaturized the complete unit for small footprint
- Settable delayed start time when mains power is restored, reducing the impact on power grid or generator
- Fan speed varies intelligently with temperature, reducing noise and extending its service life
- LCD+LED display, multi-functional keys operation, friendly human-machine interface
- Powerful background software for parameters configuration
- Effective software and hardware protection function, robust an self-diagnostic function, and abundant event log for check

AVAILABLE OPTIONS

- RS232 ve akıllı kart yuvası dahildir
- Opsiyonel paralel fonksiyon, akü sıcaklık kompanzasyonu, SNMP kartı, USB, RS485 kartı, kuru kontaklar, EMD ve SMS alarmları

REAR PANEL

1. RS232 / **2.** EPO / **3.** Parallel port (optional) / **4.** USB (optional) / **5.** Temp. detection (optional) / **6.** Intelligent slot / **7.** Manual bypass or battery breaker or outlets ect. / **8.** Fans / **9.** Bypass breaker / **10.** Input breaker / **11.** GND / **12.** Terminals and cover



10kVA (XL) | 15/20kVA (XL) | 10kVA (S)

TECHNICAL SPECIFICATIONS

MODEL	Teos+ 210	Teos+ 215	Teos+ 220
Capacity	10 kVA / 10 kW	15 kVA / 15 kW	20 kVA / 20 kW
INPUT			
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		
Bypass voltage range	- 40% ~ +15% (settable)		
THDi	≤ 5%		
OUTPUT			
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; 50/60Hz + 0.1% Hz in battery mode		
Waveform	Sinusoidal		
Power factor	1.0		
Voltage THD	≤ 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 30s		
BATTERIES			
DC voltage	192 Vdc (192 - 240 Vdc settable)		
Number of battery	16 pcs (16 - 20 settable)		
Inbuilt battery (standard model)	12 V / 9Ah x 16	/	12 V / 7Ah x 40
Charging current	Standard model: 1A; Long time model: 5A (default), 1 - 5A settable; 10A (optional)		
Recharge time	Standard model: 90% capacity restored in 8 hours; Long time model: depend on the capacity of battery		
SYSTEM			
Efficiency	≥ 94% at 100% load, max. 95% at 60% load, ≥ 98% in ECO mode		
Transfer time	0 ms		
Protections	Short-circuit, 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		
GENERAL			
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 1m	≤ 58 dB		
Dimensions (HxWxD) (mm) (*)	711x191x495 (S) 350x191x495 (XL)	515x191x495 (XL)	731x262x942,5 (S) 515x191x495 (XL)
Packaged dimensions (HxWxD) (mm) (*)	941X310X685 (S) 475x318x617 (XL)	618x285x593 (XL)	990x353x860 (S) 618x285x593 (XL)
Net weight (kg) (*)	18.5 (XL), 64 (S)	26.5 (XL)	236 (S), 26.5 (XL)
Gross weight (kg) (*)	20 (XL), 72 (S)	28 (XL)	240 (S), 28 (XL)

(*) S means standard model; XL means long time model.

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