

TCA Series

10~40kVA 3 phases Rack UPS



Power

10-40kVA

Operation

3/3, 3/1, 1/1 online double conversion

Installation method

Rack/Tower

Device-level protection

Extreme reliability, more adaptable

Large small color touch screen

Friendly man-machine interface

High power density

Easy installation and maintenance

Applications

Government, finance, telecommunications, education, transportation, meteorology, radio and television, industrial and commercial taxation, medical and health, energy and power and other industries

Features

- Mounted in 19 inch rack, or stand alone
- 7 inch touch LCD, with IoT functions
- High reliability and environment adaptability, with protection of components level
- Extreme high power density, 30kW in 3U, friendly for space and maintenance.



S.

| Model | TCA010LR | TCA015LR | TCA020LR | TCA030LR | TCA040LR |
|-----------------------|------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|
| Rated Power | 10kVA/10kW | 15kVA/15kW | 20kVA/20kW | 30kVA/30kW | 40kVA/40kW |
| Main input | | | | | |
| Input | 3P5W (3P+N+PE) | | | | |
| Rate Voltage | 380/400/415VAC (L-L) ; 220/230/240VAC (L-N) | | | | |
| Rate Freq. | 50/60Hz | | | | |
| Input PF | >0.99 | | | | |
| Current distortion | THDi<3% (100% Linear load) | | | | |
| Voltage range | 304~478VAC (L-L) full load ; 304~228VAC (L-L) power derate from 100% to 75% | | | | |
| Freq. range | 40-70Hz | | | | |
| Battery | | | | | |
| Rate voltage | ±240VDC | | | | |
| Charging capacity | 20%*Pout | | | | |
| Charging accuracy | ±1% | | | | |
| Bypass | | | | | |
| Rate voltage | 380/400/415VAC (L-L) 220/230/240VAC (L-N) | | | | |
| Voltage range | Range: -40%- +25% , Settable, default -20%~+15% | | | | |
| Frequency range | 50/60Hz, Settable : ±1Hz, ±3Hz, ±5Hz | | | | |
| Inverter | | | | | |
| Rate voltage | 380/400/415VAC (L-L) ; 220/230/240VAC (L-N) | | | | |
| Rate Freq. | 50/60Hz | | | | |
| Output PF | 1 | | | | |
| Voltage accuracy | ±1.0% | | | | |
| Load response | <5% (20% - 80% -20% step load) | | | | |
| Recovery time | < 20ms (0% - 100% -0% step load) | | | | |
| Output THDu | <1% (linear load, <5% (non-linear load according to IEC 62040-3) | | | | |
| Overload | 110%,1 hour ; 125%,10 mins ; 150%,1 min ; >150%,200ms | | | | |
| Frequency accuracy | 0.1% | | | | |
| Synchronize window | Settable, ±0.5Hz-±5Hz, default ±3Hz | | | | |
| Slew rate | Settable, 0.5Hz/S-3Hz/S default 0.5Hz/S | | | | |
| Crest factor | 3:1 | | | | |
| Phase Accuracy | 120° ±0.5° | | | | |
| System | | | | | |
| Efficiency | Normal Mode ≥96% ; Battery Mode ≥96% | | | | |
| Display | LED + 7-inch touch LCD | | | | |
| Certification- Safety | IEC62040-1, IEC60950-1 | | | | |
| IP degree | IP20 | | | | |
| Configuration | USB, RS232, RS485, Dry contact | | | | |
| Option | SNMP card, AS400 card, Parallel kit, LBS, Air filter, Cold start | | | | |
| Environment | 0-40°C (operation) ; -25°C~70°C (storage) ; 0-95% (Humidity, non-condensing) | | | | |
| Dimension (W*D*H) mm | 444*774*130 (3U) | | | | 444*788*174 (4U) |