

## **ONLINE UPS 100KVA-800KVA(3:3)**



## **AVO HIGH POWER TTK SERIES**

### **APPLICATION**

Computer/critical servers/data center/hub & other network device/LAN/WAN.  
Industrial/ Medical

### **FEATURES**

- Online double-conversion with DSP control
- Capability of supplying distorted loads,
- High efficiency 93% crest factors
- Output power factor 0.9
- Front access makes maintenance and
- Low input distortion: THD<5% replacement easy, save space
- Generator compatible
- Intelligent self-diagnosing function, all
- Output Isolation transformer kinds of failure protection, large capability
- Standard RS232 / RS485 / dry contacts phases communication port
- High instantaneous overload capacity
- Optional SNMP communication port
- High MTBF (>200,000h)
- Optional N+X redundancy

## TECHNICAL SPECIFICATIONS

| MODEL                     | TTK80100   | TTK30120     | TTK30150     | TTK80200     | TTK80300     | TTK80400     | TTK80500     | TTK80600     | TTK80800     |
|---------------------------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Capacity KVA/Watts)       | 100kVA/90kW  | 120kVA/103kW | 160kVA/144kW | 200kVA/180kW | 300kVA/270kW | 400kVA/360kW | 500kVA/450kW | 600kVA/540kW | 800kVA/720kW |
| <b>INPUT</b>              |  |              |              |              |              |              |              |              |              |
| Operating voltage range   | 380/400/415Vac f-25%/+20% (p OPn+N+PE)   |              |              |              |              |              |              |              |              |
| Operating frequency range | 50/50Hz (+5Hz)   |              |              |              |              |              |              |              |              |
| Power factor              | >0.97(with filter)   |              |              |              |              |              |              |              |              |
| <b>OUTPUT</b>             |  |              |              |              |              |              |              |              |              |
| Output voltage            | 380/400/415Vac(±1%)  |              |              |              |              |              |              |              |              |
| Max. output current       | 152 A  | 182A         | 243A         | 304A         | 456A         | 603A         | 760A         | 912A         | 1216A        |
| Output frequency          | 50/60Hz(±0.05%)  |              |              |              |              |              |              |              |              |
| Harmonic distortion (THD) | <2% (linear load)  |              |              |              |              |              |              |              |              |
| Crest factor              | 3:1 (max)  |              |              |              |              |              |              |              |              |
| Efficiency                | >92%   | >92%         | >92%         | >92.5%       | >93%         | >94%         | >95%         | >95%         | >96%         |
| <b>BYPASS</b>             |  |              |              |              |              |              |              |              |              |
| Rated voltage             | 380/400/415Vac   |              |              |              |              |              |              |              |              |
| Rated frequency           | 50/60Hz (auto-sensing)   |              |              |              |              |              |              |              |              |
| <b>BATTERY</b>            |  |              |              |              |              |              |              |              |              |
| Battery voltage           | 384Vdc   |              |              |              |              |              | 430Vdc       |              |              |
| <b>SYSTEM FEATURES</b>    |  |              |              |              |              |              |              |              |              |
| Transfer time             | 0ms (Line mode to Battery mode)  |              |              |              |              |              |              |              |              |
| Overload                  | 110%/60min, 125%/10min, 150%/1min  |              |              |              |              |              |              |              |              |
| Communication interface   | LCD display, LED indication, Dry contact, RS232r RS485, SNMP card (Optional)                           |              |              |              |              |              |              |              |              |
| Optional                  | Harmonic filter, SNMP adapter, LBS cables, battery temperature sensor. Bypass current-sharing inductor |              |              |              |              |              |              |              |              |
| <b>TTK30</b>              |  |              |              |              |              |              |              |              |              |
| Operating temperature     | 0~40°C   |              |              |              |              |              |              |              |              |
| Storage temperature       | 0 °C to 55 °C  |              |              |              |              |              |              |              |              |
| Humidity range            | 0-95% (non-condensing)   |              |              |              |              |              |              |              |              |
| Altitude                  | <1500m   |              |              |              |              |              |              |              |              |
| Noise level               | <65dB  |              |              |              |              | <70dB        |              |              |              |

- All specifications are subject to change without prior notice.
- Custom-made specifications are acceptable.