

## Online UPS ER-Series (Environmental Friendly & Reliable Series) 10-40KVA (3/1)



### AVO BEST POWER TBP 4000

#### Application:

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

## FEATURES & BENEFITS

Advanced DSP  
IGBT Inverter & ISO output transformer  
Input PF above 0.98  
Wide input frequency RANGE  
ONLINE BATTERY DETECTING

AVO TBP 4000 DSP low frequency UPS is the second generation digital on-line LF UPS. It has been designed to provide an optimized price/performance ratio. A number of exceptional features have been carefully selected and built into the AVO TBP 4000 to optimize both performance and cost benefits. The high power protection value of this new generation of this full digital UPS raises AVO TBP 4000 to the best-value-in-the-category UPS.

- IGBT Inverter & ISO output transformer
- Online battery connection detecting
- Fault problem display (Easy Maintenance)
- Input power factor above 0.98
- Wide input frequency range 40-70HZ
- Large LCD display
- Cold start and AC start function
- Fully Digital control technology
- Online double conversion with PFC

# Technical Specifications

| Model           |   | TBP4010   | TBP4015 | TBP4020 | TBP4030      | TBP4040 |
|-----------------|---|---|---------|---------|--------------|---------|
| Rating capacity |   | 10KVA   | 15KVA   | 20KVA   | 30KVA        | 40KVA   |
| Phase           |   | 3:1   |         |         |              |         |
| input           | PF                                      | >0.95   |         |         |              |         |
|                 | Rating voltage                          | 380VAC  |         |         |              |         |
|                 | Voltage range                           | 380VAC±25%  |         |         |              |         |
|                 | Rating frequency                        | 50Hz/60Hz   |         |         |              |         |
|                 | frequency range                         | 40-70Hz   |         |         |              |         |
|                 | THDi                                    | <30%  |         |         |              |         |
|                 | Soft start                              | 0 to 100% ,3 to 5 seconds   |         |         |              |         |
| Charge          | Float charge                            | 220VDC  |         |         |              |         |
|                 | Current                                 | 12A(extendable)   |         |         |              |         |
|                 | Protection                              | Charge voltage, over current protection, short circuit protection |         |         |              |         |
| Battery         | Model                                   | Lead acid maintenance free battery                                |         |         |              |         |
|                 | Rating voltage                          | 192/240Vdc(external),   |         |         |              |         |
| O/P             | P.F.                                    | 0.8(lagging)  |         |         |              |         |
|                 | Phase                                   | 3wires+N+G  |         |         |              |         |
|                 | Rating voltage                          | 380V/400V/415V  |         |         |              |         |
|                 | Rating frequency                        | 50Hz/60Hz   |         |         |              |         |
|                 | Frequency                               | <±0.1Hz in battery mode   |         |         |              |         |
|                 | Voltage                                 | <±2%(static)  |         |         |              |         |
|                 | Crest factor                            | 3:1   |         |         |              |         |
|                 | Wave distortion                         | Liner load<3%;Noliner load<5%                                     |         |         |              |         |
|                 | dynamic load voltage instant distortion | Liner load<±5%(from 0-50%-100%)                                   |         |         |              |         |
|                 | Dynamic response recover time           | <40ms   |         |         |              |         |
|                 | overload capacity                       | 105%~125%10min;125%~150% 1min; >150%10ms                          |         |         |              |         |
|                 | transfer time                           | 0mS(AC-Battery);<4ms(bypass-inverter)                             |         |         |              |         |
|                 | System                                  | display   | LED+LCD |         |              |         |
| Efficiency      |   | 100% linear ≥90%  |         |         |              |         |
| Operate temp    |   | 0~40°C  |         |         |              |         |
| Humidity        |   | 0~90% (non-condensing)  |         |         |              |         |
| Cooling         |   | Intelligent fan cooling   |         |         |              |         |
| Noise dB        |   | <60(1M)   |         |         |              |         |
| Physics         | configuration                           | Tower,IP21  |         |         |              |         |
|                 | Weight (Kg)                             | 150   | 218     | 258     | 320          | 350     |
|                 | Dimension (W×H×D)mm                     | 460×950×710   |         |         | 470×1050×840 |         |

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



## SWITCHING AVO ELECTRO POWER LIMITED

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