

# TLM Series



- True double-conversion
- Customized power factor
- Wide input voltage (110 V – 300V)
- Converter mode available
- ECO mode for energy saving (Only available for 1-3KVA)
- Generator compatible
- Adjustable battery number only available for 11K and up models
- Smart SNMP works well with either USB or RS-232 together
- Emergency power off function (EPO) only available for 11K/14K models
- Adjustable charging current via LCD or software (1A~6A) only available for 11K/14K models
- Optional 1KL-12V, 12A charger available. (Please check sales directly)

## TLM Series Online UPS Selection Guide

| MODEL  |  | TLM Series 6K (L)   |           | TLM Series 10K (L)                 |           |
|--|--|---|-----------|------------------------------------|-----------|
| PHASE  |  | Single phase with ground  |           |                                    |           |
| CAPACITY *   |  | 11KVA   |           | 14KVA                              |           |
| INPUT  |  |   |           |                                    |           |
| Nominal Voltage                                    |  | 208/220/230/240VAC  |           |                                    |           |
| Input Voltage Range                                |  | 110-300 VAC (Based on load at 50%)<br>176-300 VAC (Based on load at 100%)           |           |                                    |           |
| Frequency Range                                    |  | 46~54 Hz or 56~64 Hz  |           |                                    |           |
| Power Factor                                       |  | ☑ 0.99 @ Nominal Voltage (100% load)  |           |                                    |           |
| OUTPUT   |  |   |           |                                    |           |
| Output Voltage                                     |  | 208/220/230/240VAC  |           |                                    |           |
| Voltage Regulation                                 |  |   |           |                                    |           |
| Frequency Range (Synchronized Range)               |  | 46~54 Hz or 56~64 Hz  |           |                                    |           |
| Frequency Range (Batt. Mode)                       |  | 50 Hz or 60Hz ± 0.1 Hz  |           |                                    |           |
| Current Crest Ratio                                |  |   |           |                                    |           |
| Harmonic Distortion                                |  | ☑ 3 % THD (Linear Load)<br>☑ 5 % THD (Non-linear Load)                              |           |                                    |           |
|  |  | Pure Sinewave   |           |                                    |           |
| Transfer Time                                      | AC Mode to Battery Mode  |   |           |                                    |           |
|  | Inverter to Bypass   |   | Zero      |                                    |           |
| Waveform (Batt. Mode)                              |  | Pure Sinewave   |           |                                    |           |
| EFFICIENCY   |  |   |           |                                    |           |
| AC Mode  |  | 92%   |           | 93%                                |           |
| Battery Mode                                       |  | 90%   |           | 91%                                |           |
| BATTERY  |  |   |           |                                    |           |
| Standard Model                                     | Battery Type   | 12 V / 9 Ah   |           |                                    |           |
|  | Numbers  | 16  | 20        | 16                                 | 20        |
|  | Depending on the capacity of external batteries, 9 hours recover to 90% capacity   |   |           |                                    |           |
|  | Charging Current (max.)  | 1 A / 2 A   |           |                                    |           |
| Long-run Model **                                  | Charging Voltage   | 218.4 VDC±1%  | 273VDC±1% | 218.4 VDC±1%                       | 273VDC±1% |
|  | Battery Type   | Depending on the capacity of external batteries                                     |           |                                    |           |
|  | Numbers  | 16 ~ 20 (Adjustable)  |           |                                    |           |
|  | Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators, 6A is only available for 16pcs batteries) |   |           |                                    |           |
| Charging Voltage                                   |  | 273 VDC ±1% (Based on 20pcs batteries)  |           |                                    |           |
| INDICATORS   |  |   |           |                                    |           |
| Sounding every 4 seconds                           |  | Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators |           |                                    |           |
| Sounding every second                              |  |   |           |                                    |           |
| Sounding twice every second                        |  |   |           |                                    |           |
| Continuously sounding                              |  | Sounding every 4 seconds  |           |                                    |           |
| Low Battery  |  | Sounding every second   |           |                                    |           |
| Overload   |  | Sounding twice every second   |           |                                    |           |
| Fault  |  | Continuously sounding   |           |                                    |           |
| PHYSICAL   |  |   |           |                                    |           |
| Standard Model                                     | Dimension, D x W x H (mm)  | 369 x 190 x 688   |           | 442 x 190 x 688                    |           |
|  | Net Weight (kgs)   | 61  | 74        | 66                                 | 76        |
| Long-run Model **                                  | Dimension, D x W x H (mm)  | 369 x 190 x 318   |           | 442 x 190 x 318                    |           |
|  | Net Weight (kgs)   | 12  |           | 16                                 |           |
| ENVIRONMENT  |  |   |           |                                    |           |
| Humidity   |  | 0-95% RH @ 0-50°C   |           | 0-95% RH @ 0-40°C (non-condensing) |           |
| Power management from SNMP manager and web browser |  | Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC()         |           | Less than 58dB @ 1 Meter           |           |
| MANAGEMENT   |  |   |           |                                    |           |
| Smart RS-232 / USB                                 |  | Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC           |           |                                    |           |
| Optional SNMP                                      |  | Power management from SNMP manager and web browser                                  |           |                                    |           |