

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