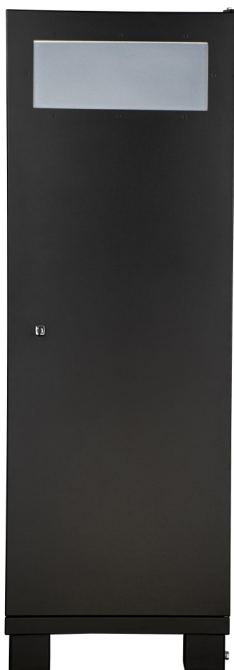


# Industrial Series

## 10-800kVA UPS

The TLP Series is designed for industrial applications and used in industries such as power, water, gas and mining. Being galvanic isolated and using IGBT based technology together with the microprocessor-controlled system, helps to ensure a 25 year design life.

The intelligent and robust design can support parallel options and various monitoring software.



### Key features and benefits

- Designed for robust conditions
- Great reliability and performance
- Advanced technology DSP, IGBT components
- Intelligent communication remote alarms
- True Galvanic isolation design

# Technical Specification

PHASE	3-Phase Input / 3-Phase Output															
KVA	10	20	30	40	50	60	80	100	120	160	240	320	400	500	600-800	
<b>INPUT (RECTIFIER)</b>																
Input Voltage	230V / 400V, 3P4W or 3P3W															
Input Range	+ / - 20%															
Input Frequency	50 / 60 Hz + / - 5Hz															
Power Walk In	0% - 100% : 20 sec															
Efficiency	> 98%															
Voltage Regulation	+ / - 1%															
<b>BATTERY</b>																
Battery Type / Pcs	Maintenance free lead-acid batteries / 12V x 29pcs															
Battery Start	Yes, UPS can be started without AC source.															
<b>INVERTER</b>																
Output Voltage	230V / 400V, 3P4W or 3P3W															
Wave Form	Sine Wave															
Output Power Factor	0.8															
Frequency Lock Range	50 / 60 Hz + / - 3Hz															
Output Frequency	50 / 60 Hz + / - 0.1 Hz															
Phase Shift Under 100%	< 0.5°															
THD (Linear Load)	<3 %															
Over-load	<110%	Continuous														
	110 - 125%	15 minutes														
	125 - 150%	10 minutes														
	> 150%	30 seconds														
Efficiency (100% Load)	90%	91%	92%	92.50 %	93.00%											
<b>STATIC SWITCH</b>																
Voltage Range	173-277 VAC (L-N)															
Mains / Inverter	0 ms															
<b>OVERALL CHARACTER-ISTICS</b>																
Overall Efficiency	90%	91%	92%	92.50%	92%											
Height x Width x Depth (mm)	1600 x 550 x 800					1600 x 110 x 800					160 X 224 X 80	190 X 222 X 100	190 X 334 X 100	190 X 446 X 100		
Weight KG without batt	300	400	470	520	560	630	950	1250	1400	1600	2700	3000	3600	4500	6000-7500	
Audible Noise	<63dBA			<65dBA			<67dBA			<70dBA			<72dB A	<75dB A	<80dB A	
Temperature	0 – 40□															
Humidity	0% - 90% (Non-Condensing)															
Altitude	<1500 M Above Sea Level															
EN50091-1,-2	YES															
Short Circuit Protection	YES															
Lightning / EMC Filter	MOV / Input & Output (FCC CLASS A)															
Galvanic Isolation	Input & Output true Galvanic isolation															
LED,LCD,Buzzer	YES															
Remote Control / communication interface	Monitoring 1~99 UPS simultaneously / Dry contact, RS232, RS485															

Note: Specification subject to change without notice.

Different Specifications are available.