LEVELUPS T3











SERIES

10-50 kVA



ONLINE UPS















HIGHLIGHTS

- True Three Level Rectifier and **Inverter Technology**
- Ultra High Output Galvanic Isolation Transformer Embedded
- Robust and Reliable Design

Highest Reliability with **Embedded Isolation Transformer**

- LevelUps T3 series is a true VFI on-line double conversion, three-phase UPS system with innovative 3 level technology and engineered to provide high level of energy efficiency and reliable and robust protection for most demanding industrial and medical environments.
- Three level inverter and rectifier technology and with embedded isolation transformer makes LevelUps T3 series one of the most reliable systems for data security and other critical applications.

CERTIFICATES



















Compact Design

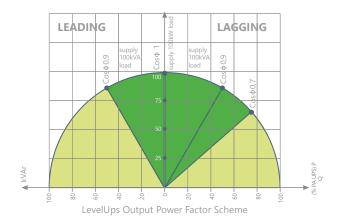
- Designed with an Integrated transformer ensuring galvanic isolation on the output for ultimate safe installation.
- Easy to install and service and can be integrated into harsh commercial and industrial environments.
- Compact footprint and matching battery cabinets.

Low Total Cost of Ownership

- Less energy consumption to supply the loads thanks to high efficiency.
- Reduced energy loss.
- Reduced electricity usage and air conditioning requirements.
- Reduction in operating cost of UPS.
- IGBT based power factor correction technology provides input power factor close to 1 (≥ 0,99). The high input power leads to reduced electricity pay-out, minimizes cable, switchboard, fuse and generator requirements, thus reducing investment cost.
- Low input current total harmonic distortion (THDi) less than%3 helps to avoid the disturbance and expensive harmonic filters.
- Small footprint and easy maintenance

High Output Power Factor 1

- Output power factor of 1 (kVA=kW) rate provides up to 25% more active power than a traditional UPS.
- Suitable for modern power supply application with unit or capacitive power factor (e.g. new servers generation).
- No reduction in active power from 0,9 leading to 0,9 lagging.



Maximum Availability

- Parallel configuration up to 8 units per redundancy (N+1) and power increase.
- Loop connection helps the UPS system to continue the operation when the connection cable is inturrupted.

Standard Electrical Features

- Parallel-Redundant (N+X) Systems
- Co-Aging
- Output Galvanic Isolation Transformer Embedded
- Dual Input
- Common Battery
- Frontal Access for Input/Output Cabling
- Backfeed Protection
- Cold Start (Optional)
- Advanced Battery Management
- Short Circuit and Overload Protection
- Parallel Ready
 Redundant Power Supply
- Power Walk-in for Progressive Rectifier Start-up when the
- Mains is Restored
 Battery Temperature Sensor
 Static & Manual Bypass Operation

Advanced Communication Features

- 1500 Real Time Event Log with Detailed Parameters
- User Friendly Multilingual 320x240 Graphic Display Provides Operation Information
- Monitoring and Shutdown Software
- RS232 Serial and RS485 Ports
- 2 Communication Slots
- ModBUS RTU / ModBUS TCP (Optional)
- Remote Emergency Power Off (Optional)
- Remote Display Panel (Optional)
- Dry Contact (Optional)
- SNMP (Optional)
- Profibus (Optional)

Flexibility

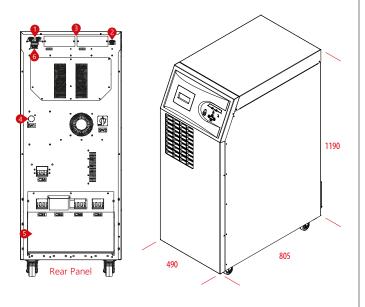
- Optional IP31, IP41, Protection degree for harsh environments.
- Optional tropicalization and anti-corrosion protection for electronic boards.
- Optional temperature sensor for external battery cabinets for extended runtimes.
- External battery cabinets for different sizes of batteries to provide extended runtimes.
- Adaptability to the mains without neutral.



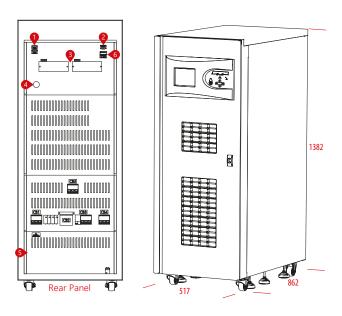


DETAILS

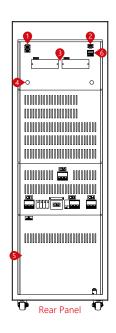
LEVELUPS T3 SERIES 10-15 kVA

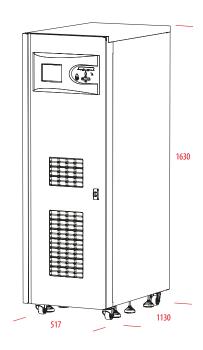


LEVELUPS T3 SERIES **20** kVA



LEVELUPS T3 SERIES **30-40-50** kVA





- 1. Parallel Port Terminal
- 2. RS232 Terminal
- 3. Optional Card Slots
- 4. DC Bus Ramping Up Button
- 5. Connection Terminal
- 6. External Battery Temperature Sensor Terminal





10-50 kVA 3:3 ONLINE UPS

MODEL							
Capacity		10 kVA	15kVA	20kVA	30kVA	40kVA	50kVA
Power Watt		10 kW	15kW	20 kW	30 kW	40 kW	50 kW
INPUT							'
Voltage Range			380/400/415 VA	C 3 Phase +N (Option	al 220/380 VAC -37%	+22% 3P+N+PE)	
Power Factor		At Full Load >0.99					
Frequency Range		45 - 65 Hz (Selectable)					
Total Harmonic Disto	ortion (THDi)			<3	3%		
OUTPUT							
Voltage Range		380/400/415 VAC 3 Phase + N					
Voltage Tolerance		Static ±1, Dynamic ±3					
Efficiency		94.5%					
Frequency Tolerance		50Hz / 60Hz ±0,01% (Battery Mode)					
THD (THDv)		Linear Load <2%					
		Non-Linear Load <5%					
Crest Factor (CF)		3:1					
Overload Capacity*		At 125% Load 10min, at 150% Load 1min					
BATTERY							
Quantity (12V DC VRLA)		60					
Charge Capacity			12,5	5% of Active Power (No	ominal 0,1 C10, Adjusta	ıble)	
ENVIRONMENTAL							
Operating Temperature		For UPS 0°C/+40°C For Battery +15°C/+25°C					
Storage Temperature		For UPS -15°C/+45°C For Battery 0°C/+30°C					
Protection Class		IP20					
Humidity		0-95% Without Condensation					
Altitude		<1000m, Correction Factor 1. <2000m, Correction Factor >0.92, <3000m; Correction Factor >0.84					
Noise Level		<53 dBA					
COMMUNICATION							
Communication Por	t		RS	232 Standart, RS485 ar	nd SNMP Adapter Opt	ion	
STANDARDS							
Quality		ISO 9001, ISO 14001, ISO 45001, ISO 10002, CE, TSE, TSE-HYB					
Performance		EN62040-3 (VFI-SS-111, Bureau Veritas Certified)					
EMC/LVD		EN62040-2, EN62040-1, TS EN ISO/IEC 17025 Acredited Test Report					
DIMENSIONS & WE	IGHT						
Cabinet Dimensions (mm)	Width	490		517	517		
	Depth	805		862	1130		
	Height	1190		1382	1630		
Net Weight (kg)		235	260	350	343	452	785
Packaging Dimensions (mm)	Width	600		670		620	
	Depth	900		900	1180		
	Height	1400		1630	1830		
Gross Weight (kg)		260	285	375	403	512	855

^{*} under certain conditions.

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