



# Inspector™ UPS Risk Mitigation Application Note

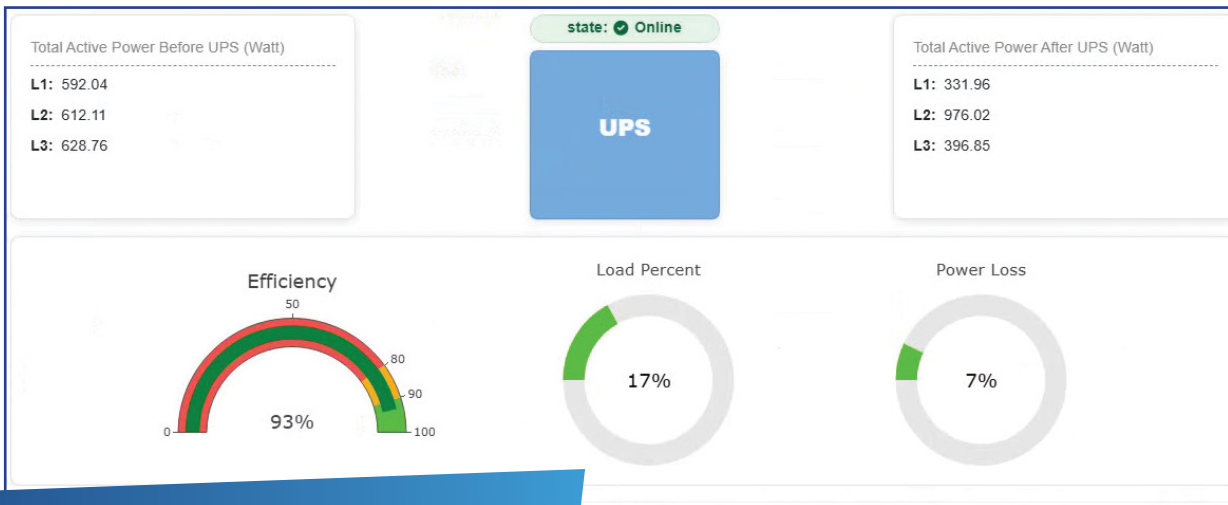
Stay in Control Anytime, Anywhere



# INSPECTOR™ Stay in Control Anytime, Anywhere

Our advanced Real-Time UPS Monitoring System empowers businesses to maintain continuous insight into the performance and health of their power infrastructure. Ensure maximum uptime, safety, and efficiency with a fully intelligent monitoring solution.

## Real-Time UPS Status Monitoring



### Real-Time UPS Status Monitoring

- Track UPS operating mode instantly: Online, Bypass, or On Battery
- Monitor input and output power for total visibility
- Measure inverter efficiency and identify power losses easily

### Intelligent Battery Monitoring

- Monitor battery status: Charging, Discharging, or Idle
- Keep an eye on load levels compared to the UPS rated capacity
- Maintain optimal performance to extend battery lifespan

## UPS Performance Insights

FROM 10 Nov 2025 10:08 TO 18 Nov 2025 11:08 [Show Events](#) [Export PDF](#)

**Info!** This report only shows events where UPS state is Online.

Event Time	Power Channel B - Before UPS			Power Channel A - After UPS			Status
	Event Type	Line	Characteristics	Event Type	Line	Characteristics	
12 Nov 2025 02:10:38.571	—	—	—	Dip	L3	magnitude=78.88   duration=18757.13 s   frequency=50.3 Hz	UPS GENERATED
11 Nov 2025 14:01:14.854	Dip	L2	magnitude=89.78   duration=0.05 s   frequency=50.03 Hz	—	—	—	PASS
11 Nov 2025 13:27:58.169	—	—	—	Transient	L3	magnitude=-150.85   duration=0.17 s   frequency=49.97 Hz	UPS GENERATED
11 Nov 2025 13:12:48.086	—	—	—	Transient	L1	magnitude=-189.39   duration=0.2 s   frequency=49.94 Hz	UPS GENERATED

- Evaluate inverter filtering capability against mains disturbances
- Identify whether disruptions come from the mains or the UPS
- Generate detailed inverter PDF reports for any selected timeframe

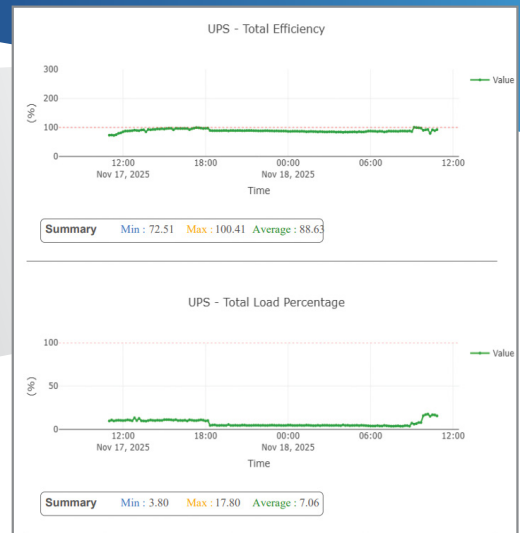
## Comprehensive Historical Analysis

FROM 18 Nov 2025 00:00 TO 18 Nov 2025 23:59 [Show State Logs](#)

From ↓	To ↓	Duration ↓	UPS State ↓
17 Nov 2025 16:51:14.611	18 Nov 2025 10:54:37.017	18:03:22.406	Online
18 Nov 2025 10:54:40.038	18 Nov 2025 10:56:43.029	00:02:02.991	OnBattery
18 Nov 2025 10:56:48.031	18 Nov 2025 10:58:04.024	00:01:15.993	Online

Inspect UPS states History to get more insights about UPS behaviors

- Track UPS states history for deeper understanding of behavior
- Analyze load trends and efficiency over time
- Optimize system performance and improve operational planning



## Smart Predictive Maintenance

**UPS Configuration**

UPS

UPS Power Capacity:  KVA

Efficiency Drop Threshold:  %

High Load % Threshold:  %

- Receive timely alerts for **preventive maintenance**
- Customize threshold limits to match your operational needs
- Enable email or SMS notifications for instant updates

### Why Choose Our Predictive Maintenance System?

- Reduce downtime risks
- Improve equipment lifespan
- Enhance safety and operational reliability
- Make data-driven maintenance decisions



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