



# UL 1778: ENSURING RELIABILITY AND QUALITY IN EQUIPMENT



***In today's world, dependence on electricity is ubiquitous, and the need to maintain continuity in energy supply is crucial. This is where Atlantic Power Energy with state-of-the-art UPS equipment and its UL 1778 certification, stands as a fundamental standard to ensure its reliable and safe operation.***



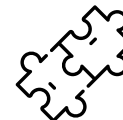
#### What is UL 1778 and its Importance?

UL 1778 is a standard established by Underwriters Laboratories (UL), a global safety organization that evaluates and certifies product safety. This specific standard focuses on UPSs, ensuring they meet rigorous standards for safety, performance and reliability. Its importance lies in ensuring that these devices operate safely and efficiently, protecting electrically sensitive equipment and guaranteeing the continuity of critical services in power failure situations.

#### Parameters and Specifications Evaluated by UL 1778 in UPS

UL 1778 evaluates several key parameters and specifications in UPSs, including:

- » **Safety:** Examines protection against electrical hazards, overloads, short circuits and overheating to prevent accidents or damage to people and property.
- » **Electromagnetic Compatibility:** Verify that the equipment does not generate electromagnetic interference that could affect other nearby devices.
- » **Performance:** Evaluates the UPS's ability to provide backup power within established standards, maintaining the stability and quality of the power supplied.



Each of these aspects is carefully inspected to ensure the safety and reliability of the device.

#### Benefits of UL 1778 Certification

Having UL 1778 certification confers multiple benefits to products. Primarily, it gives users confidence that the UPS has been thoroughly tested and meets recognized international standards for safety and performance. A UPS without this certification may present greater security risks and its performance could be uncertain.

This certification is only granted to manufacturers that demonstrate their commitment to quality and safety, a characteristic that stands out within Atlantic Power Energy products.

## Great Demands in the Manufacturing Process

UL 1778 certification requires a meticulous manufacturing process. From component selection to final testing, each stage must meet specific standards. Manufacturers must follow detailed procedures, ensuring quality and consistency in the production of each UPS.

Some of the characteristics that stand out within the verification process carried out by UL are:

- » **Construction:** materials, enclosure, user protection, corrosion, components, connections, spaces and compartmentalization.
- » **Performance:** leakage testing, insulation, electromagnetic interference, harmonic distortion, capacitance, grounding impedance, stability

## Atlantic Power Energy and its UL Certification

Recently, Atlantic Power Energy has obtained UL certification for its main products. This certification assures our customers of the quality, safety and reliable performance of our UPS. Our commitment to excellence is reflected in obtaining this certification, offering our customers the peace of mind of having equipment that meets the highest industry standards.

Atlantic Power Energy continues to innovate its products. Therefore, we now have UL certification for our products:



ATP One RT single-phase UPS  
from 1 to 3KVA.



ATP One RT FLP single-phase UPS  
(Lithium Batteries) from 1 to 3KVA.



ATP II 33 Three-Phase UPS from 10 to 40KVA.

We continue to innovate to deliver our customers products with the latest technology and the best standards of safety, quality and efficiency.

