

WORD	DESCRIPTION	LINK
Battery	It accumulates and stores energy through a reversible electrochemical reaction.	https://www.norwatt.es/products/batteries-and-accessories-nicd-batteries-emisa-lp--mp--hp-en.html https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-exide-gnb-marathon-l-xl-en.html
Start up battery	Battery that delivers high current during short time; for example, to start heat engines	https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-tudor-ta--tb-en.html https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-tudor-tk-en.html
Stationary Battery	Batteries used for backup emergency power and designed for use in a permanent location.	https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-exide-gnb-epzb-en.html https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-exide-gnb-sonnenschein-epzv-en.html
Lead Acid Battery	<p>Batteries based on lead/acid electrochemical cell (EC); the main features are low cost, high recharge time (C10), high weight, and life expectancy between 5-20 years, depending on the model</p> $\text{PbO}_2 + 2\text{H}_2\text{SO}_4 + 2\text{e}^- \rightarrow 2\text{H}_2\text{O} + \text{PbSO}_4 + \text{SO}_4^{2-}$ $\text{Pb} + \text{SO}_4^{2-} \rightarrow \text{PbSO}_4 + 2\text{e}^-$	https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-exide-gnb-classic-ocsm-en.html https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-sunlight-opzs-en.html
Nickel Cadmium battery	<p>Batteries based on nickel/cadmium electrochemical cell (EC); the main features are medium cost, recharge time (C5) and weight; long life expectancy (+20 years)</p> $\text{Cd} + 2\text{OH}^- \rightarrow \text{Cd}(\text{OH})_2 + 2\text{e}^-$ $2\text{Ni}(\text{OH})_3 + 2\text{e}^- \rightarrow 2\text{Ni}(\text{OH})_2 + 2\text{OH}^-$	https://www.norwatt.es/products/batteries-and-accessories-nicd-batteries-emisa-lp--mp--hp-en.html https://www.norwatt.es/products/batteries-and-accessories-nicd-batteries-saft-sble--sbm--sbh-en.html

Li-Ion battery	Batteries with low recharge time (C1) and weigh, but high cost. They can be recharged in seconds, tolerating very high temperatures	https://www.norwatt.es/products/batteries-and-accessories-lithium-ion-batteries-saft-evolion-en.html https://www.norwatt.es/products/batteries-and-accessories-lithium-ion-batteries-saft-intensium-mini-en.html
Primary cell	A battery designed to be used once and discarded, and not recharged with electricity. the electrochemical reaction occurring in the cell is not reversible.	https://www.norwatt.es/products/batteries-and-accessories-cells-duracell-duracell-lr-r-dl-en.html https://www.norwatt.es/products/batteries-and-accessories-cells-saft-li-socl2-li-so2-li-mno2-en.html
Pasted plate	Flat, positive plates made by pasting the lead oxide active mass on a mesh grid.	https://www.norwatt.es/products/batteries-and-accessories-nicd-batteries-saft-sble--sbm--sbh-en.html
Tubular plate	A frame structure consisting of a series of vertical spines connected to a common bus bar. The tubular design keeps the active material mechanically together and presses it onto the grid.	https://www.norwatt.es/products/batteries-and-accessories-lead-acid-batteries-tudor-tudor-ean-en.html https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-exide-gnb-sonnenschein-a606--a612--a602-en.html
Planté plate / OGI	Positive plates made with pure lead versus a lead alloy. The active mass is formed by a corrosion process out of the grid.	https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-exide-gnb-ogi-en.html https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-exide-groe-en.html
Pocket plate	The active material is kept inside a stainless steel bag with microperforations which allows the electrolyte to react with the active material.	https://www.norwatt.es/products/batteries-and-accessories-nicd-batteries-emisa-lp--mp--hp-en.html
Sealed battery	The battery is in a shut down container; it usually includes a valve to get rid of overpressures	https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-sunlight-opzv-en.html https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-exide-gnb-powerfit-s106--s112-en.html

Flooded battery	The battery includes a top to access the electrolyte, which allows the technician to perform measurements or refills	https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-sunlight-opzs-en.html
Maintenance-free battery	Usually referred to the hermetic batteries, due to the fact that they can't be refilled; but still require the rest of maintenance works common to all batteries	https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-exide-gnb-sonnenschein-a606--a612--a602-en.html
Ultra low maintenance battery	Battery that includes a top for performing refills, although those aren't usually needed more than a couple of times in all the battery's lifespan	https://www.norwatt.es/products/batteries-and-accessories-nicd-batteries-saft-uptimax-en.html
High temperature battery	Hermetic battery designed to work in a very large temperature range, from -45 °C (-49 °F) to +55 °C (+131 °F)	https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-exide-gnb-sonnenschein-pc-12-180-ft-en.html
Nominal voltage	System design voltage	https://www.norwatt.es/files/faq/library_saft_emisa_rectifier_spe_manual.pdf
Float voltage	The voltage that is required to maintain a battery fully charged. The idea is to keep the battery charging till it is needed.	https://www.norwatt.es/files/faq/library_saft_emisa_rectifier_spe_manual.pdf
Boost voltage	Voltage higher than float voltage, used to recharge the battery in less time	https://www.norwatt.es/files/faq/library_saft_emisa_rectifier_spe_manual.pdf
Exceptional boost voltage	Voltage higher than boost voltage, used only in exceptional cases, i.e maintenance (With disconnected consumption)	https://www.norwatt.es/files/faq/library_saft_emisa_rectifier_spe_manual.pdf
Rectifier	An electrical device that converts alternating current (AC) to direct current (DC)	https://www.norwatt.es/product-category/rectifiers.html
Power supply	Rectifier without batteries which works with constant voltage & limited current	https://www.norwatt.es/product-category/other-equipment.html
Battery charger	Rectifier which modifies output voltage (usually from -15% to +10%) so battery recharge current can be limited.	https://www.norwatt.es/products/rectifiers-traction-battery-charger-benning-tebetron-en.html

Direct current system	Battery charger which also supplies current for an external consumption	https://www.norwatt.es/products/rectifiers-thyristor-rectifiers-emisa-emicon-spe-spa-spo-spc-gx-en.html https://www.norwatt.es/products/rectifiers-thyristor-rectifiers-benning-thyrotronic-en.html
Voltage drop diode	It allows a higher voltage in batteries than in busbars.	https://www.norwatt.es/product-category/rectifiers.html
Inverter	An electronic device that changes direct current (DC) to alternating current (AC), used for isolated instalations (<i>off grid</i>) and for general network	https://www.norwatt.es/products/inverters-thyristor-inverter-benning-invertronic-igbt-en.html https://www.norwatt.es/products/inverters-high-frecuency-inverters-benning-invertronic-modular--en.html
Converter	An electronic device that converts a source of direct current (DC) from one voltage level to another.	https://www.norwatt.es/products/other-equipment-converter-cc-cc-benning-dc-dc-converter-3000-idc-en.html
By pass	A device used to bypass a equipment (e.g. to carry out maintenance) without interrupting the supply of power to connected loads. It also features an additional setting to enable testing. The switch is equipped with individually protected power connectors to supply power directly.	https://www.norwatt.es/products/ups-bypass-ups-and-commuters-riello-multipass-mbb-en.html https://www.norwatt.es/products/ups-bypass-ups-and-commuters-riello-multipower-mpw-en.html
UPS - Uninterruptible power supply	An electrical device that provides emergency power to a load when the input power source or mains power fails	https://www.norwatt.es/products/ups-online-ups-riello-master-mps-mpm-en.html https://www.norwatt.es/products/ups-online-ups-benning-enertronic-i-en.html
Off-line UPS	The offline UPS offers only the most basic features, providing surge protection and battery backup. The protected equipment is normally connected directly to incoming utility power. When the incoming voltage falls below or rises above a predetermined level the UPS turns on its internal DC-AC inverter circuitry, which is powered from an internal storage battery.	https://www.norwatt.es/products/ups-off-line-ups-riello-idialog-idg-en.html https://www.norwatt.es/products/ups-off-line-ups-riello-iplug-ipg-en.html

Line-Interactive UPS	<p>The line-interactive UPS is similar in operation to a off-line UPS, but with the addition of a multi-tap variable-voltage autotransformer.</p>	<p>https://www.norwatt.es/products/ups-interactive-ups-sunlight-net-power-npw-en.html</p> <p>https://www.norwatt.es/products/ups-interactive-ups-riello-vision-vst-en.html</p>
On-line UPS	<p>In an online UPS, the batteries are always connected to the inverter, so that no power transfer switches are necessary. When power loss occurs, the rectifier simply drops out of the circuit and the batteries keep the power steady and unchanged. When power is restored, the rectifier resumes carrying most of the load and begins charging the batteries</p>	<p>https://www.norwatt.es/products/ups-online-ups-riello-multisentry-mst-en.html</p> <p>https://www.norwatt.es/products/ups-online-ups-benning-enertronic-l-en.html</p>
N+1 operation	<p>N+1 redundancy is a form of resilience that ensures system availability in the event of component failure. Components (N) have at least one independent backup component (+1).</p>	<p>https://www.norwatt.es/library.html</p>
Redundant operation	<p>Two equal and parallel connected systems working at 50% power; if one of them breaks down, the other can supply 100% power without interruption.</p>	<p>https://www.norwatt.es/library.html</p>
Alternating operation	<p>Two equal and parallel connected systems, but only one of them is working while the other holds.</p>	<p>https://www.norwatt.es/library.html</p>
Seismicity	<p>a seismic zone is an area of seismicity potentially sharing a common cause. It may also be a region on a map for which a common areal rate of seismicity is assumed for the purpose of calculating probabilistic ground motions. When providing materials for those zones, they have to be certified.</p>	<p>https://www.norwatt.es/products/batteries-and-accessories-battery-accessories-norwatt-batteries-racks-en.html</p> <p>https://www.norwatt.es/products/batteries-and-accessories-battery-accessories-norwatt-cabinet-en.html</p>
Temperature	<p>To be considered when planning a system cooling; it can also conditionate the batteries' design life.</p>	<p>https://www.norwatt.es/library.html</p>
Metres Above Sea Level - MASL	<p>To be considered when a system cooling & power, due to the decrease in both parameters.</p>	<p>https://www.norwatt.es/library.html</p>
Battery rack	<p>A structure on which individual batteries are installed. Racks act to support the batteries and maybe seismically rated.</p>	<p>https://www.norwatt.es/products/batteries-and-accessories-battery-accessories-norwatt-batteries-racks-en.html</p>

Battery cabinet	Cabinet designed to house batteries, according to certain needs such as weight, ventilation, accessibility for maintenance works...	https://www.norwatt.es/products/batteries-and-accessories-battery-accessories-norwatt-cabinet-en.html
Liquid electrolyte	Any acidic, basic, or salt solution capable of conducting current.	https://www.norwatt.es/products/batteries-and-accessories-nicd-batteries-saft-sble--sbm--sbh-en.html
Gel electrolyte	Closely resemble liquid electrolytes. In essence, they are liquids in a flexible lattice framework. Various additives are often applied to increase the conductivity of such systems.	https://www.norwatt.es/products/batteries-and-accessories-lead-batteries-exide-gnb-sonnenschein-a606--a612--a602-en.html
Distribution board	A distribution board is a component of an electricity supply system that divides an electrical power feed into subsidiary circuits, while providing a protective fuse or circuit breaker for each circuit in a common enclosure.	https://www.norwatt.es/product-category/rectifiers.html
Local alarm	A system that warns of an incidence with a local signal (leds, sounds, display text...)	https://www.norwatt.es/product-category/rectifiers.html
Remote alarm	A system that warns of an incidence with remote signals (NO/NC, ModBus, SMNP...)	https://www.norwatt.es/product-category/rectifiers.html
Electromechanical voltage stabilizer	A mechanical appliance used to feed constant voltage current to electrical systems and protects them from damage due to voltage fluctuations.	https://www.norwatt.es/products/other-equipment-network-quality-recticurvega--antares--orion-y-sirius-en.html
Electronic voltage stabilizer	An electronic appliance used to feed constant voltage current to electrical systems and protects them from damage due to voltage fluctuations.	https://www.norwatt.es/products/other-equipment-network-quality-recticurvega--antares--orion-y-sirius-en.html
Frequency converter	A device for changing the frequency of a voltage or current. It is used in power supply systems for adjustable electric drives and magnetic amplifiers. Its other uses include the matching of two or more AC systems with differing frequencies. (50 to 60 Hz or 50 to 400 Hz)	https://www.norwatt.es/products/other-equipment-frequency-converter-riello-master-mfc-en.html https://www.norwatt.es/products/other-equipment-frequency-converter-vacon-vacon-nxp-en.html
Filling pistol	This equipment has been designed to aid the topping-up of water for large sizes or numbers of cells, especially where the electrolyte levels cannot easily be seen.	https://www.norwatt.es/products/batteries-and-accessories-battery-accessories-saft-filling-pistol-en.html

Ultracapacitor	<p>A supercapacitor is a high-capacity capacitor with capacitance values much higher than other capacitors that bridge the gap between electrolytic capacitors and rechargeable batteries. They typically store 10 to 100 times more energy per unit volume or mass than electrolytic capacitors, can accept and deliver charge much faster than batteries, and tolerate many more charge and discharge cycles than rechargeable batteries.</p>	<p>https://www.norwatt.es/products/batteries-and-accessories-ultracapacitors-ls-mtron-ls-ultracapacitors-en.html</p> <p>https://www.norwatt.es/products/batteries-and-accessories-supercapacitors-snc-saft-snc-saft-nickel-capacitor-en.html</p>
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