

Denchi Power Batteries

High Reliability Batteries and Chargers

Productsheet
Denchi Power

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Contact

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We like to help you!



Batteries and chargers that keep you army on the move

Denchi Power Ltd (formerly ABSL Power Solutions Ltd) is a leading supplier and manufacturer of batteries and chargers to the global defence industry. They have over 15 years heritage in supplying products for military radios, vision systems, manned military vehicles, unmanned aeronautical vehicles (UAVs), unmanned underwater vehicles (UUVs) and unmanned ground vehicles (UGVs). Although defence is their core market they also produce batteries for other markets including security, oil and gas and medical where the capability to design to stringent specifications and produce highly reliable and highly robust products is critically important. We have a range of standard products but much of our business is focused on designing products for specific applications.

Product range

- Dismounted Soldier Batteries
Denchi Lithium-ion battery products provide rugged and durable power for communication and auxiliary equipment
- Military Vehicle Batteries
The benefits of Lithium-ion battery technology is evident in the military vehicle stealth and energy capacity density
- Unmanned Vehicle Batteries
Supplying solutions for autonomous vehicles in the military markets on land, in the sea and air UAV's

Denchi Power
Rechargeable Lithium-ion
battery for military applications

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Product Range

Denchi Power produce a broad range of batteries, chargers and accessories for markets requiring high reliability and robust product design. A sample of these products are shown here but please contact the team for specific requirements as we have a broad range of experience from single cell to large >300V and >50KWh systems.



6T Lithium-ion - Battery

The Denchi Power Lithium-ion 6T vehicle battery is an entirely new concept in battery design and incorporates the latest in Lithium-ion technology. It benefits from Denchi Power's strong heritage in building batteries for use in the most extreme conditions and also from their deep understanding of the modern Military need. This new battery incorporates high power cells, which when combined with an impressive energy density ensures the very best possible operation for armoured vehicles of all sizes and capabilities.



Central Energy Source (CES) - Battery

The Central Energy Source (CES) is the latest in a family of Conformable batteries from Denchi Power. The evolutionary device replaces the normal rigid case with a flexible canvas covered pouch. The pack can store, deliver, and scavenge power lessening the weight burden and eliminating cables and the need to carry spare batteries. This battery incorporates its own integrated charging circuitry and offers flexibility and seamless plug and play.



BB2590 Smart - battery

The 'smart' Denchi Power BB-2590 is a Level 3 Smart battery, incorporating the latest in Lithium-ion cell technology. It provides high capacity and benefits from Denchi Power's strong heritage of developing and delivering batteries for use in the most extreme conditions for both military and aerospace applications.



BB2590 Standard - battery

The BB-2590 is a powerful battery, incorporating the latest in Lithium-ion cell technology. It provides high capacity and benefits from Denchi Power's strong heritage of developing and delivering batteries for use in the most extreme conditions for both military and aerospace applications.

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CLB (Conformable) - battery

The Conformable Lithium-ion Battery (CLB) is the latest in a long line of innovative batteries from Denchi Power. The evolutionary design replaces the normal rigid case, which can be awkward for the soldier to carry and replaces it with a flexible canvas pouch to hold the cells. The battery is designed for comfort of carrying and uses its universal clips to be mounted anywhere on the soldier's body.



SPC (Soldier Portable Charger) - charger

The Denchi Power Soldier Portable Charger (SPC) is a world beating DC single-channel charger, designed for the most rugged military environment. Being a Level 3 Smart Charger (2-way communication), with high powered electronics. The wide voltage range of the SPC (i.e. 10.5 – 40V) enables it to scavenge for power from any available source on the battlefield including, other batteries, vehicles, solar fuel cells, etc.



SMV (Small Vehicle Military Auxiliary) - battery

The SMV Battery is designed for energy storage/backup power and incorporates the latest in Lithium-ion technology. It benefits from Denchi Power's strong heritage of building batteries for use in the most extreme conditions. It incorporates high capacity cells which are managed by integrated control electronics which give the best possible level of operation



DCCU (Direct Current Charging Unit) - charger

The Direct Current Charging Unit (DCCU) is a world beating 4-channel charger designed for the most rugged military environment. It is specifically designed to charge the entire BOWMAN family of batteries, but with the correct cables it can be conjured to charge any Lithium-ion and Nickel Cadmium battery on the battle field.



RSC (Rugged Smart Charger) - charger

The Rugged Smart Charger (RSC) is a world beating 4-channel charger, designed for the most rugged military environment. Being a Level 3 Smart Charger (2-way communication), with high powered electronics, it can be used to charge any battery on the battlefield.

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Sparrowhawk - battery

The range of Unmanned Aerial Vehicle (UAV) batteries have been designed with the need for light weight and high power and incorporate the latest Lithium-ion technology. They benefit from Denchi Power's strong heritage of building batteries for use in the most extreme conditions. They incorporate high capacity cells which are managed by integrated control electronics, which give the best possible level of operation.



KVMS (Key Variable Management System) - battery

The KVMS is a powerful Smart battery, incorporating the latest in Lithium-ion cell technology. It provides high capacity and benefits from Denchi Power's strong heritage of developing and delivering batteries for use in the most extreme conditions for both military and aerospace applications.



VPT (VHF Portable Transceiver) - battery

The VPT is a powerful Smart battery, incorporating the latest in Lithium-ion cell technology. It provides high capacity and benefits from Denchi Power's strong heritage of developing and delivering batteries for use in the most extreme conditions for both military and aerospace applications.



BB2590 Bench Charger - charger

The Denchi Power BB2590 Bench Charger is a reliable lightweight workhorse designed for those applications when battery charging on the bench or in a workshop is needed. It is designed to charge all versions of the common BB2590 battery and has all of the necessary control electronics to accommodate this task.



Solar Re-charging Kit - charger

To support the range of batteries and chargers in the field, Denchi Power has developed a Solar Re-Charging capability to give the soldier on the ground the maximum flexibility to re-charge batteries when either a vehicle or generator is not available. The powerful 60 Watt Solar Panel works in association with the successful Denchi Power Soldier Portable charger to ensure the maximum available power and so the shortest re-charge time.

More information

Check www.simacelectronics.nl or call us on +31 (0) 416 387 711. We like to help you!

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