

## The Produrance (PD) Module

**Part Number:** 1120550: 200Wh with 3-year capacity warranty to 80%/1200 Cycles

**Part Number:** 1120560: 240Wh, 3-year warranty: capacity warranty of 2 years to 60%/600 cycles

**Description:** The Produrance Module can be delivered as a 200Wh or 240Wh option. It is a 14.5V Li-ion battery using high spec premium and matched cells; It has an inbuilt - state of the Art- Management technology with multiphase charge algorithms and the latest charge balancing innovation to prolong life expectancy. Cells are made in Japan and packs precision-assembled in Germany. DCPower4C adds battery management, with multi layered, mechanical, electronic and chemical safety features, enhanced communication stability, and on-board charge algorithm control for long life charging, in final assembly.



**Intended Use:** Part of the Produrance Modular block system, the PD modules can be stacked or linked side by side or put in any position/shape required. They plug into a Quad PCB control module (or the Produrance XL module – max 8 for 1600Wh and 1000W max load) which manages the DC output and communication and plugs into an inverter if AC is required. The customers choose exactly how much capacity is required up to 800/960Wh allowing packs for both low and high load applications. It is therefore ideal for IT and Medication carts, but also other mobile equipment.

**Benefits:** The option of matching capacity to application/workflow/cost/capacity and size needs. The Produrance Module will provide excellent life expectancy and thus reliability benefits. By plugging in the LCD display the combined modules communicate both actual (SOC) and remaining runtime information in hours and minutes for the nurse. Safety is of the highest standard, going well beyond the norms in electronic, mechanical and chemical control implementation. It is a smart battery; it controls the complete charge process and communicates a wealth of battery parameters to Battery management systems. Even the 800Wh version is lighter and smaller than standard current block solutions.

**Technical specifications:** 200Wh, 14.5V, Li-Ion cell pack. Max Continuous PD load is 12A (c.168W) with a 14A (c.196WH) max peak for 60 seconds. PD Module Length: 16.3cm, Width 6.8cm (7.6 incl. screw channels), Depth 9.0cm (9.3 with screw channels) Weight: 1.406kg

**Warranty and Support:** A Functional and capacity warranty of 36 **Months** (limited to 1200 cycles is more than 1 per day) to **80%** capacity, underlines the 5-year daily use expectation of the 200Wh version. The 240Wh version has a 36-month functional warranty and a limited capacity warranty of 24 months to 60% or full 600 cycles.

**Regulatory:** Intended use is to power IT and medical equipment in the medical environment. Produrance fulfils CE and IEC 60601-1 criteria. It will have CB testing to IEC 62133. And can be used as an accessory to medical equipment with short patient contact. UN 38.3 testing for safety and transport is completed.