

HBN30 Range 300A and 600A Naturally Cooled DC Load Bank Range

Features:

- Lightweight & Portable
- Low Cost
- High Power
- No Auxiliary Mains Required
- Voltage & DC Shunt Measurement Sockets
- Test Cables Included



HBN30-300 Case Size 2



HBN30-600 Case Size 4

The Hillstone HBN series load banks provide a low cost solution to on-site testing.

Units can provide manually controlled, constant current, battery discharge testing.

Units are adjustable from 1A to max rating via panel mounted DC circuit breakers.

Voltage and DC shunt measurements are available via 4mm shrouded sockets test sockets.

HBN30 Performance Table

Loadbank Type No.	Maximum Volts	30V	27V	24V	21V	13.5V	10V
HBN30-300	30V	300 A	270 A	240 A	210 A	135 A	100 A
HBN30-600	30V	600 A	540 A	480 A	420 A	270 A	200 A

For lower battery voltages the available constant current discharge rate will reduce proportionally

HBN30 Case Sizes:

Loadbank Type No.	Case Size	Length (mm)	Width (mm)	Height (mm)	Approx. Weight (Kgs)
HBN30-300	2	715mm	495mm	585mm	28Kgs
HBN30-600	4	805mm	550mm	875mm	45Kgs

HBN30 Specification

Type Ref	HBN30 Series
Maximum Voltage	30V DC
Maximum Current	HBN30-300 - 300A HBN30-600 - 600A
Rating	Continuous rating at full load, max voltage
Test Sockets	4 mm shrouded test sockets are provided to allow the test engineer to measure amps and volts using a multimeter.
DC Cable Set	3m DC Cable Set Included
Construction	Aluminium case with swivel castors and carrying handles.
Finish	Powder coated textured finish
Cooling	Vertical natural convection cooling
Environmental Protection Rating	IP21
Movement	Swivel castors and top handles
Temperature	Operating: 0 – 40 °C Storage: 0 – 80 °C

Standards And Quality Assurance

The **HBN DC Load Bank Range** is manufactured in the UK to the following EU standards and ISO procedures:

- Low Voltage Directive 2006/95/EC
- EMC Directive 2004/108/EC
- BSEN61000-6-3 2007 amendments for 2011
- BSEN61000-6-1 2007
- BSEN61000-6-4 2007 amendments for 2011
- Hillstone Products Quality Assurance procedures ISO 9001:2015

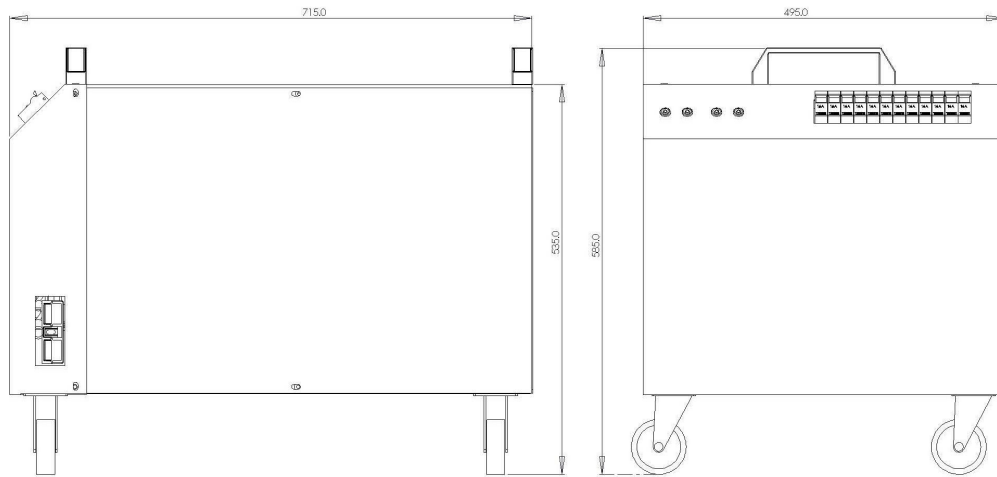


Notes

- Units are designed for indoor use in a clean, dry and well ventilated environment.
- The available current and ratings are proportional to the end of test voltage.
- Information in technical literature, quotations or datasheets are intended to be correct at the time of publication. Hillstone Products Ltd bears no responsibility for the accuracy of any information given.
- We reserve the right to make detailed changes to specification, components, dimensions or weights at the time of design or manufacture without prior notice.
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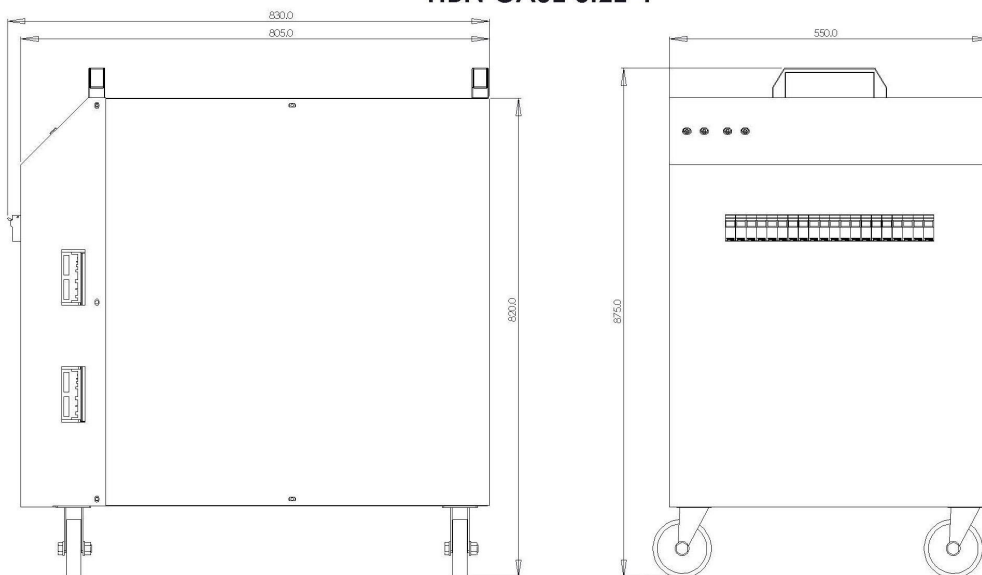
HBN30-300 GA Diagram

HBN CASE SIZE 2



HBN30-600 GA Diagram

HBN CASE SIZE 4



Optional Accessory Battery Fuse Connection Box

The Battery Fuse Box provides cable protection with in line fuses between the battery & the load bank for both the +Ve & -Ve cables

Insulated panel mounted sockets provide safe cable connections and are identified as Red for +Ve & Black for -Ve



Optional Accessory Battery Fuse Connection Box with BattScan Data Logger

The **BattScan** data logging systems is an integral part of the Battery Fuse Box as it provides the ability to record the discharge performance to an SD card for data exporting **Volts - Amps - Temperature - A/hrs - elapsed time** to a laptop running **BattLife**



BattLife

The **BattLife** software app is a battery maintenance tool used for auditing and maintenance of standby batteries used in DC systems, UPS Systems and Generators.

The **BattLife** software app allows engineers to extend the life of the battery and prevent premature failures by combining discharge results with impedance or conductance data gathered over the life of the battery.

The **BattLife** gives true battery historical state of health understanding by integrating load bank capacity testing with conductance / impedance readings

The key BattLife modules are:

- Site Manager
- Battery Manager
- Test Manager
- Report Manager



[Download BattLife](#)