Ref.	Hire datasheet HLB600-55
Issue	2
Date	01/07/10

Rental Equipment Data Sheet

Hillstone Hire Fleet – Manually controlled DC load bank

Type ref **HLB600-55**

Operation	DC
Max Voltage	600V DC
Max current	61A DC
Max power	36.6KW DC

Available for hire and suitable for battery discharge testing, fuel cell testing, battery charger & rectifier testing plus DC generator testing.

Adjustment via manually operated panel mounted switches.
2 metre DC power cable set included (extended cable set available on request)

Specification

Type ref	HLB600-55
Max. voltage	600V DC
Max. current	61A DC
Max power rating	36.6KW DC
Max. No. lead acid cells	279
Max. No. Ni-cad cells	444
Operating voltage range	from zero to 600V DC
Load current adjustment	From 1A to 61A via panel mounted switch steps (see performance table for available load current at different voltages)
Test sockets	4 mm shrouded test sockets allow external multimeters to measure volts and amps (multimeters not included)
Auxiliary supply	230/240V single phase 50 / 60 hz,
Aux AC cable	2 metre supply cable with 13A UK plug
DC cable set	2 metre twin, 16 sq mm flexible cable set with 8 mm hole crimp lugs (longer cable set available on request)
Cooling	Force air, horizontal air flow
Case size	1050mm long x 550mm wide x 720mm high (plus top handles)
Load bank weight	45 kgs unpacked, excluding cable
Packed size & weight with cable	1200 mm long x 650 mm wide x 1100 mm high, approx 100 kgs
Finish	Light grey RAL7032 textured finish
Environmental protection rating	IP21 indoor design, outdoor use under shelter
Movement	Swivel castors with brakes, top handles and suitable for folk lift
Operating temperature range	0 – 40 deg C
Storage temperature range	0 – 80 deg C

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Performance Table (approximate values)

Switch Step	Ohms Ω	Available load current (amps) at different DC voltages								
		600V	550V	520V	480V	440V	400V	350V	240V	220V
1	544 Ω	1.1A	1A	1A	0.9A	0.8A	0.7A	0.6A	0.4A	0.4A
2	272 Ω	2.2A	2A	1.9A	1.8A	1.6A	1.5A	1.3A	0.9A	0.8A
3	136 Ω	4.4A	4A	3.8A	3.5A	3.2A	2.9A	2.6A	1.8A	1.6A
4	68 Ω	8.8A	8.1A	7.6A	7.1A	6.5A	5.9A	5.1A	3.5A	3.2A
5	68 Ω	8.8A	8.1A	7.6A	7.1A	6.5A	5.9A	5.1A	3.5A	3.2A
6	34 Ω	17.6A	16.2A	15.3A	14.1A	12.9A	11.8A	10.3A	7.1A	6.5A
7	34 Ω	17.6A	16.2A	15.3A	14.1A	12.9A	11.8A	10.3A	7.1A	6.5A
Minimum ohms	9.84 Ω									
Total load amps		**61A**	**56A**	**53A**	**49A**	**44A**	**40A**	**35A**	**24A**	**22A**

Easy calculator for max available load at different voltages

Max available amps = Test voltage / load bank minimum ohms
Example : 465 volts / 9.84 ohms = 47.25 amps

Notes
1) Refer to the operating manual supplied with the load bank for safety instructions, connection procedure and operating instructions.
2) Information in technical literature, quotations or data sheets are intended to be correct at the time of publication. Hillstone Products Ltd bears no responsibility for the accuracy of any information given.
3) We reserve the right to make detail changes to specification, components, dimensions or weights at the time of design or manufacture without prior notice.
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