

Ref.	Hire datasheet HLB450-30
Issue	4
Date	01/07/10

Hillstone Hire Fleet – Manually controlled load bank

Type ref **HLB450-30**

Operation DC or single phase AC
 Max Voltage 450V
 Max current 67A
 Max power 30KW

Available for hire and suitable for battery discharge testing, fuel cell testing, battery charger & rectifier testing plus single phase generator or UPS testing.

Adjustment via manually operated panel mounted switches.

5 metre power cable set (longer cables available if required)



Specification

Type ref	HLB450-30
Serial number	M36655
Max. voltage	450V DC or single phase AC 50 / 60 hz
Max. current	67A
Max power rating	30KW
Max. No. lead acid cells	209
Max. No. Ni-cad cells	333
Operating voltage range	from zero to 450V DC or single phase AC 50 / 60 hz
Load current adjustment	From 0.7A to 67A via illuminated panel mounted switches (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
Power cable set	3 metre, flexible cable set with twist lock safety sockets & earth
Cooling	Force air, horizontal air flow
Case size	1000mm long x 550mm wide x 740mm high (+ handles & plugs)
Weight	47 kgs (unpacked, excluding cable)
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

SWITCH	ohms	Available load current (amps) at different AC or DC voltages									
STEP	Ω	450V	440V	400V	350V	300V	220V	200V	110V	100V	
1	628	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.2	
2	319	1.4	1.4	1.3	1.1	0.9	0.7	0.6	0.3	0.3	
3	158	2.8	2.8	2.5	2.2	1.9	1.4	1.3	0.7	0.6	
4	80	5.6	5.5	5.0	4.4	3.8	2.8	2.5	1.4	1.3	
5	40	11.3	11.0	10.0	8.8	7.5	5.5	5.0	2.8	2.5	
6	40	11.3	11.0	10.0	8.8	7.5	5.5	5.0	2.8	2.5	
7	40	11.3	11.0	10.0	8.8	7.5	5.5	5.0	2.8	2.5	
8	20	22.5	22.0	20.0	17.5	15.0	11.0	10.0	5.5	5.0	
Min ohms 6.73 Ω											
Total load amps		67A	65A	59A	52A	45A	33A	30A	16A	15A	

Easy calculator for max available load at different voltages

Max available amps = Test voltage / load bank minimum ohms

Example : 350 volts / 6.73 ohms = 52 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.
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