

Battery Load Tester

The Microcare 200A Battery Tester is an automatic battery analyzer which determines how many Amp hours (Ah) the batteries can deliver. The tester incorporates Microcare's advanced Battery Monitoring System to test the health of the connected battery bank. The discharge rate is selectable from 20amp up to 200amp. This allows the battery to be tested for capacity and performance under different load conditions. The battery tester will at all time compensate for load fluctuations using Peukerts law. The battery tester fully automatic and has the ability to control an external charger so that with a push of a button both the recharge and discharge cycle is initiated, monitored, logged and controlled without user intervention. To get rid of the discharged energy we need to cool down the load bank. This is achieved by two industrial fans. The Load Bank is thermally isolated to protect the user but caution still needs to be taken when the unit is in use.



- Fully automatic
- Controls both charge and discharge cycle
- 20amp - 200amp selectable discharge rate
- Live readout of cycle progress
- Saved stats off all parameters
- Graphs stored for all parameters
- Compensates for Peukerts law
- Thermally insulated
- Weather resistant
- Graphical user interface

```

Load Test                               15:07
-----
BS = 700Ah P_Ex=1.25
BC = 174A      4.019C
BV = 42.3V DIS= 40.0V
SOC= 99.6% DIS= 10%
BAT= 2.3Ah= 1.7Ah
ETR= 05:06 ET = 00:01
    
```

Load Test - Menu Name	14:37 - Current Time [hh:mm]
BS - Battery Size [Ah]	P_Ex - Puekert Exponent
BC - Battery Current [A]	C - Charge Rating - BC/BS
BV - Battery Voltage [V]	DIS - Disconnect BV [V]
SOC - State of Charge %	DIS - Disconnect SOC [%]
BAT - Discharged [Ah]	Actual Discharged [Ah]
ETR - Estimated time remaining the battery can still supply power [hh:mm]	ET - Elapsed Time of the test [hh:mm]