30-09-2023

DMS - Battery Health Report and Statistics

System Details

DMS Serial Number: DL-01

Battery Ah Used: 130 Ah

Rickshaw Type (Loader/Passenger): Passenger

Battery Uniformity

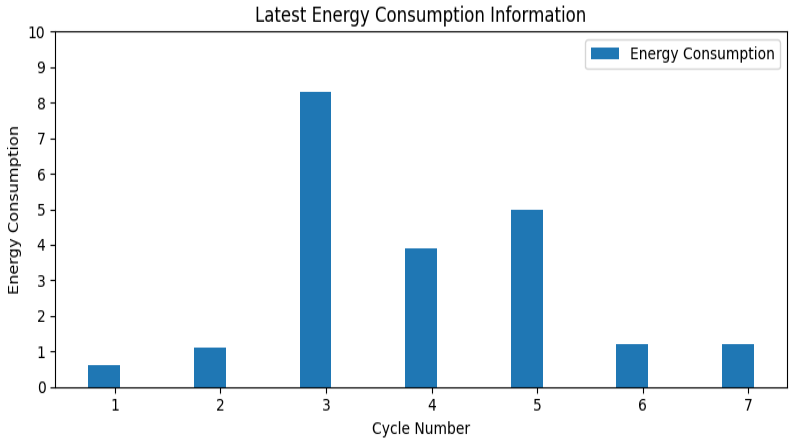
Your Batteries are balanced only during 43% of the ride.

This suggests non-uniform charging and discharging patterns.

Charging Characterstics

Charging Parameters	*Values*
Total Charging cycles	*7*
Maximum Units Used per Charge	*8 Units*
Average Units Consumption	*3 Units*
Peak charging Current	*24.2 A*
Peak C Rating During charging	*0.19*
Average C Rating During charging	*0.18*
Average charging Duration:	*7 hours*

Below graph provides the latest cycles (Upto maximum of last 7 cycles)

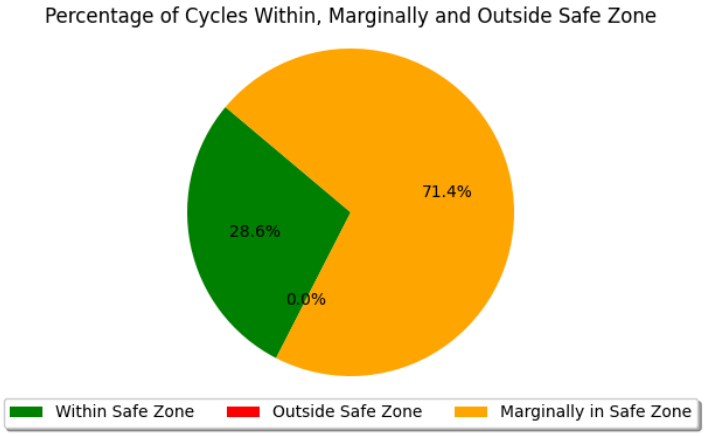


Rickshaw driver usually charges the Battery for an average of 6.57 hours on an average with a 24 A charger.

Safe Zone:

If your Battery is getting charged beyond 60V, it is not considered to be safe and that will severely degrade the Battery life cycle.

Maximum charging Voltage: 62V

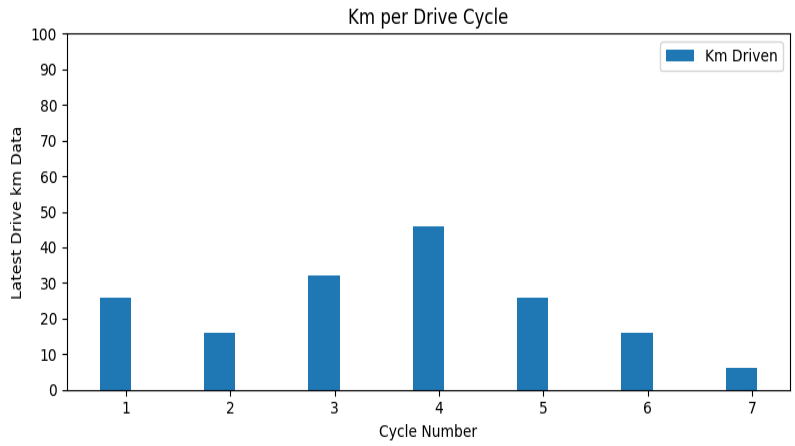


Batteries operated outside of safe zone causes excess heat generation, more power consumption and battery degradation. Using PowerChargers will eliminate the damage on the Battery as well as save costs on excess power consumption.

Driving Characterstics

Parameter	*Values*
Number of drive cycles	*7*
Peak Current drawn by Controller	*-52.03 A*
Peak C Rating drawn by Controller	*0.39*
Average C Rating drawn by Controller	*-0.22*
Total km Run	*168 km*
Maximum km Run	*46 km*
Average km Run	*24 km*

Below graph provides the latest cycles (Upto maximum of last 7 cycles)

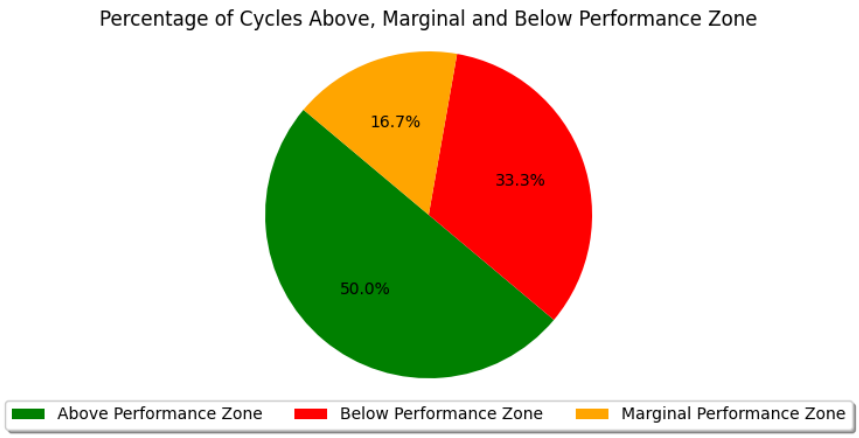


Motor-Controller Diagnosis:

The controller is working withing expectations.

Performance Zone:

This is the zone where the batteries perform most efficiently during the rides. Generally, if the voltage of the battery is above 47V during the entire discharge cycle, it is considered to be in the performance zone.



Batteries perform efficiently in performance zone. It is encouraged that the driver use his breaks to top-up the batteries with quick charging.

PowerBattery and PowerCharger combination can give the customer upto 50% more range and thus more income!
