Overview

Performance Metrics

Energy Flow Insights

Trend Analysis

EV Analytics Dashboard

avg inverter efficiency

81.11

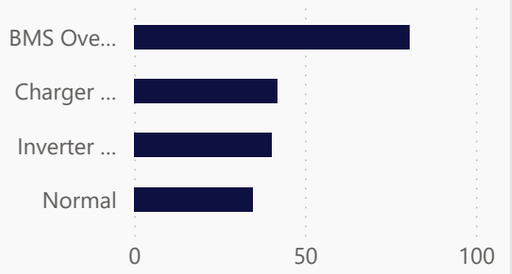
0.00 162.22

avg charger efficiency

81.31

0.00 162.61

Battery Temp (°C) by Condition



Condition

BMS Overheating

Charger Error

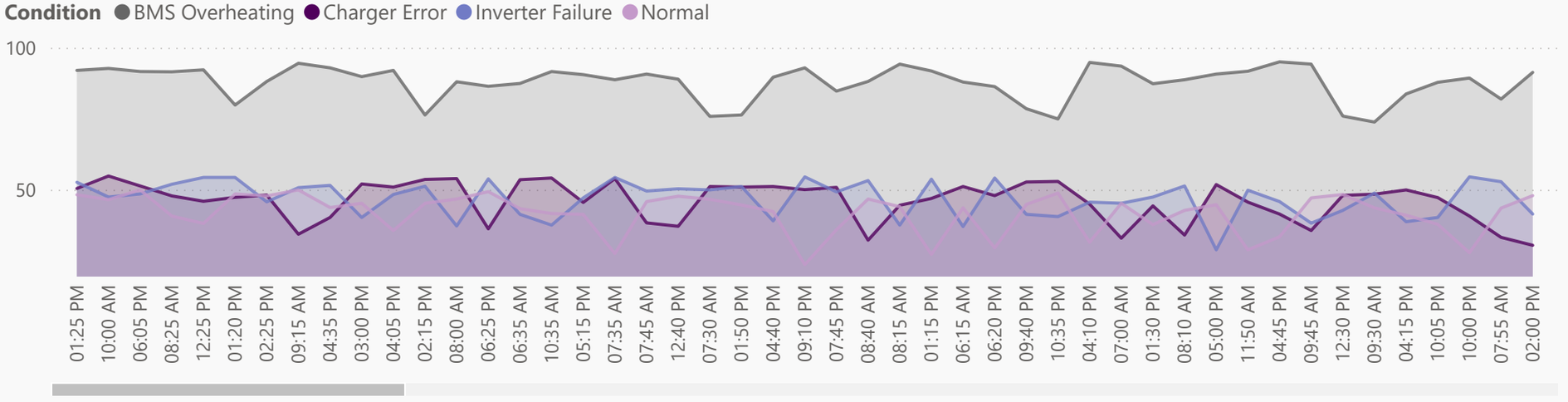
Inverter Failure

Normal

Timestamp

All

Avg Battery Temp Over Time



49.34	345.82	85.00	53.17	0.53	395.50
Avg BMS Temp	Avg BMS Voltage	Max Coolant Temp	Avg Vehicle Speed	Avg Energy Consumed	Max Torque Delivered

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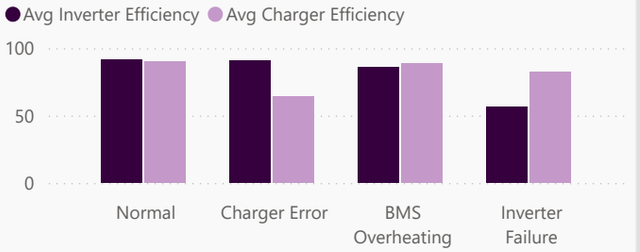
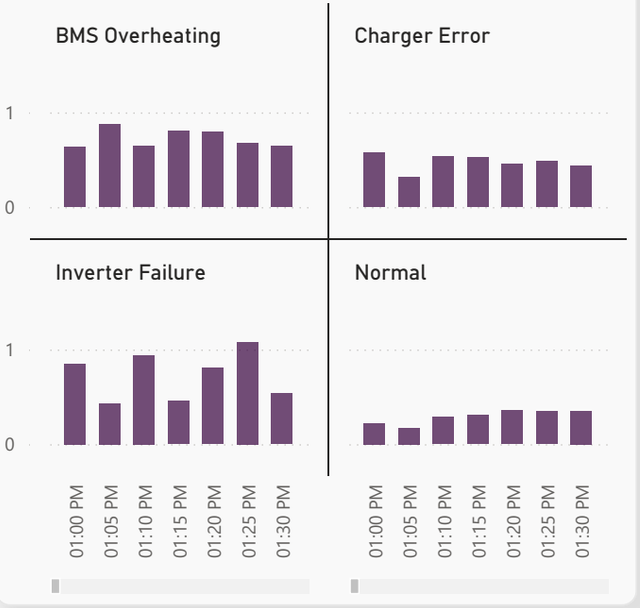
Inverter vs Charger Efficiency



Average Energy Consumption

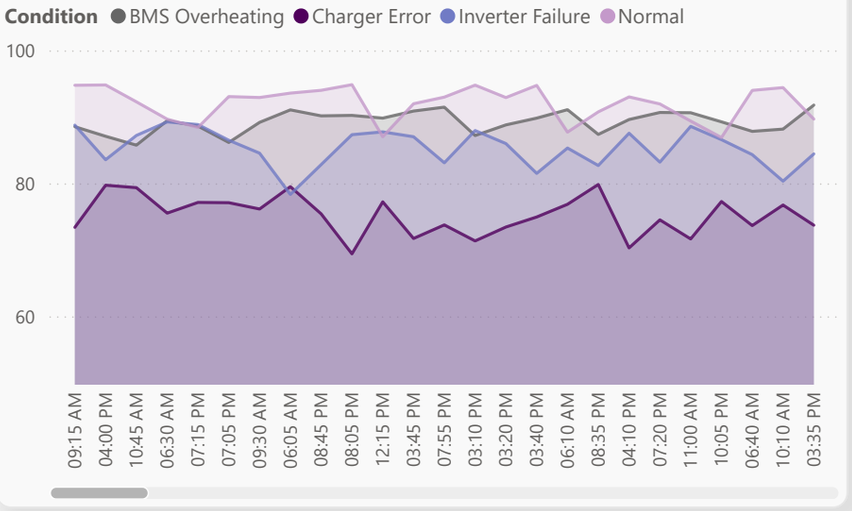


Condition

- BMS Overheating
- Charger Error
- Inverter Failure
- Normal

ShortTime	BMS Overheating	Charger Error	Inverter Failure	Normal
12:55 PM	81.30	51.30	34.00	40.80
12:50 PM	94.10	41.30	27.60	23.00
12:45 PM	92.60	35.20	37.70	21.90
12:40 PM	88.90	37.10	50.30	47.70
12:35 PM	80.30	38.10	33.80	21.40
12:30 PM	75.90	48.00	42.70	48.30
12:25 PM	92.20	45.90	54.30	38.10
12:20 PM	82.10	36.50	37.30	43.70

Average Charger Efficiency



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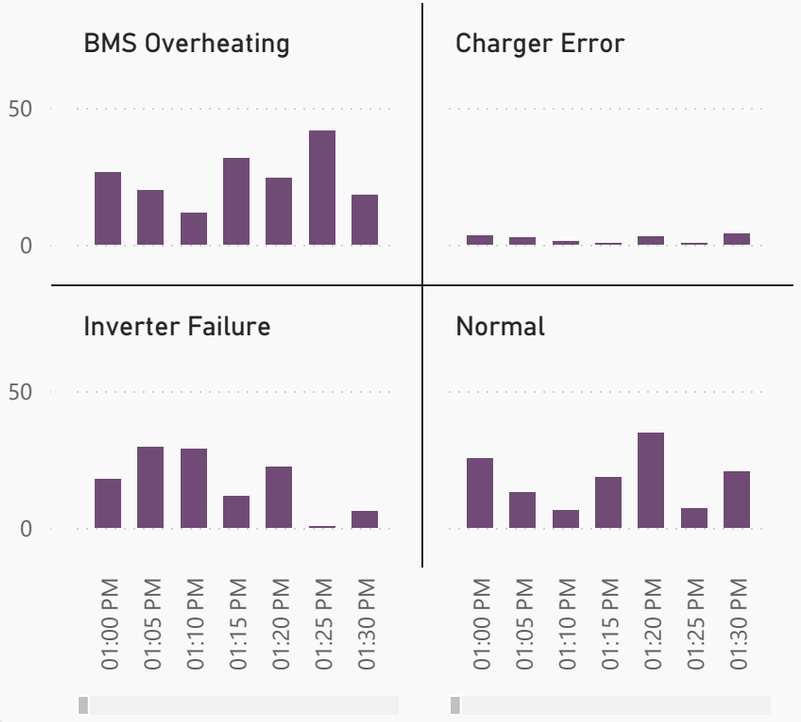
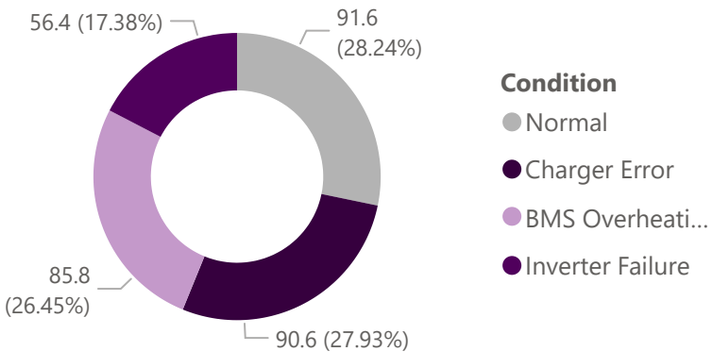
Charging Power Usage Patterns



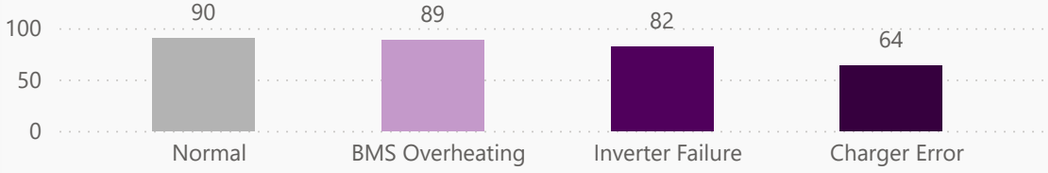
Condition

- BMS Overheating
- Charger Error
- Inverter Failure
- Normal

Average Inverter Efficiency



Average Charger Efficiency by Condition



Condition	Acceleration	Battery Temp (°C)	Braking Force	Coolant Temp	Energy Consumption	Inverter Temp	SOC	Speed	Torq
Normal	-0.1 m/s²	34.78	2464 N	44.6°C	0.252 kWh/km	55.6°C	50.2%	59.4 km/h	1
Inverter Failure	-1.2 m/s²	40.33	4492 N	65.4°C	0.792 kWh/km	99.3°C	50.1%	42.6 km/h	4
Charger Error	0.1 m/s²	41.81	2285 N	50.4°C	0.452 kWh/km	63.5°C	50.0%	61.7 km/h	1
BMS Overheating	0.0 m/s²	80.44	3182 N	70.1°C	0.634 kWh/km	71.8°C	49.4%	49.0 km/h	1

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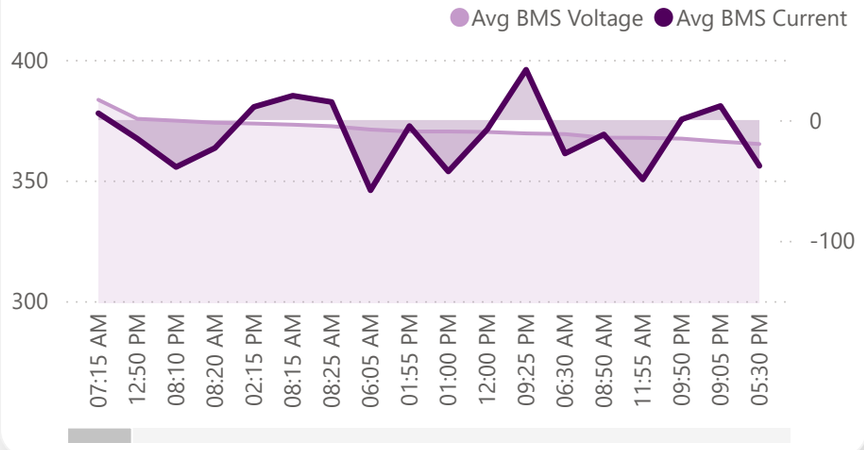
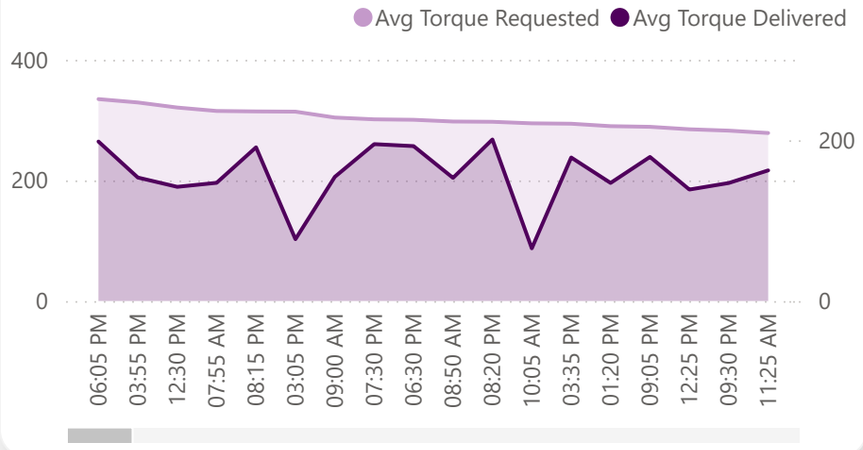
Condition

All

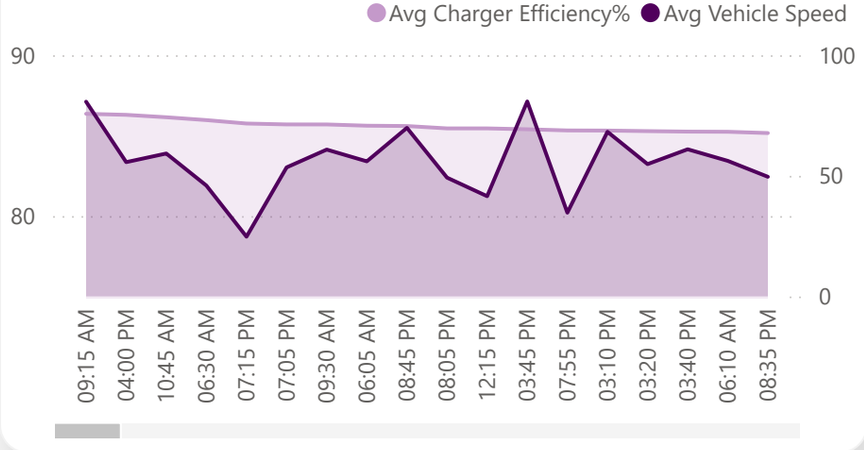
Voltage & Current Dynamics



Torque Requested vs Delivered



Charger Efficiency & Vehicle Speed



Charger Input Power vs Efficiency