

Overview

Performance Metrics

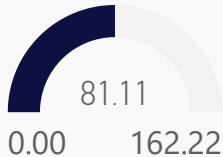
Energy Flow Insights

Trend Analysis

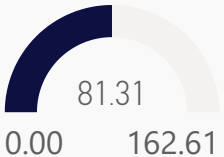
# EV Analytics Dashboard



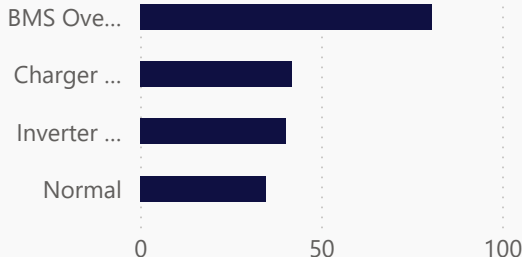
avg inverter efficiency



avg charger efficiency



Battery Temp (°C) by Condition



Condition

BMS Overheating

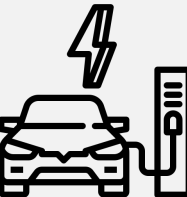
Charger Error

Inverter Failure

Normal

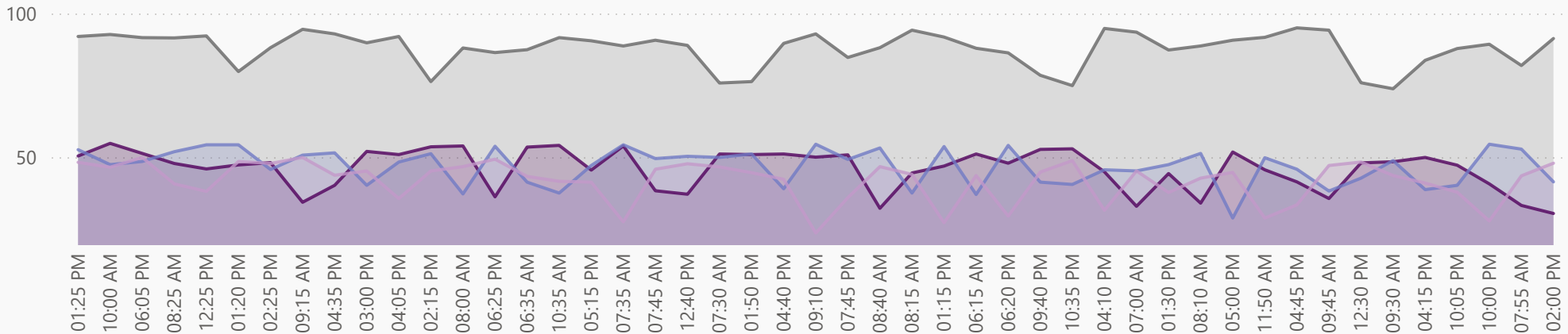
Timestamp

All



Avg Battery Temp Over Time

Condition ● BMS Overheating ● Charger Error ● Inverter Failure ● Normal



49.34

Avg BMS Temp

345.82

Avg BMS Voltage

85.00

Max Coolant Temp

53.17

Avg Vehicle Speed

0.53

Avg Energy Consumed

395.50

Max Torque Delivered

Overview

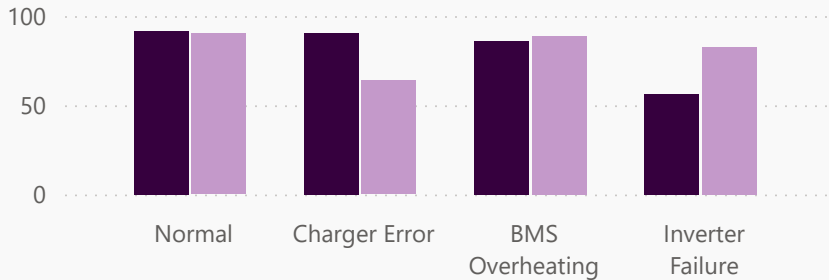
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Energy Flow Insights

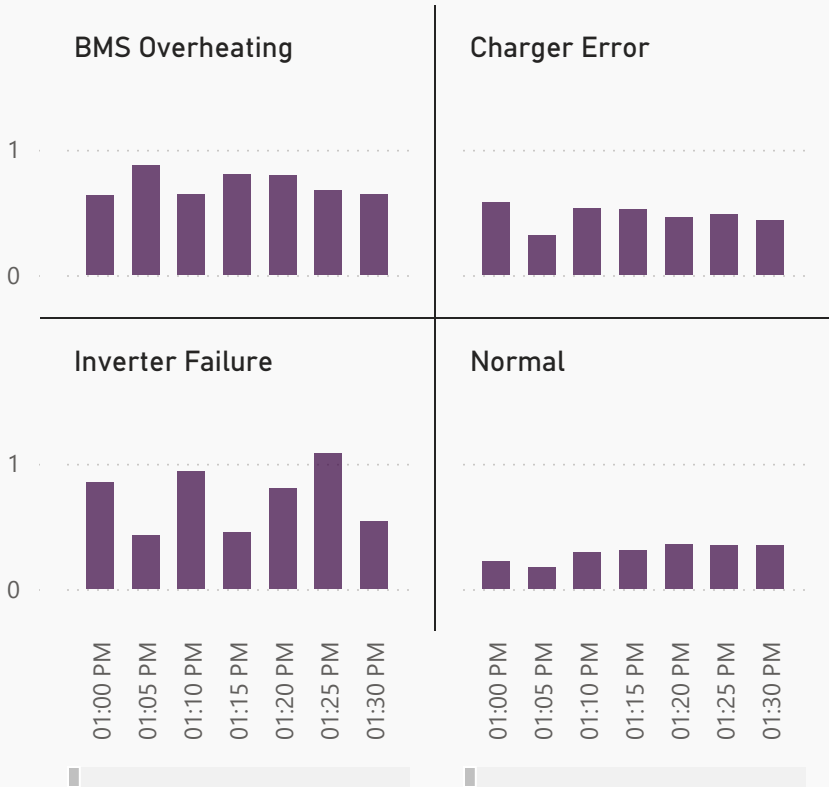
Trend Analysis

Inverter vs Charger Efficiency

● Avg Inverter Efficiency ● Avg Charger Efficiency



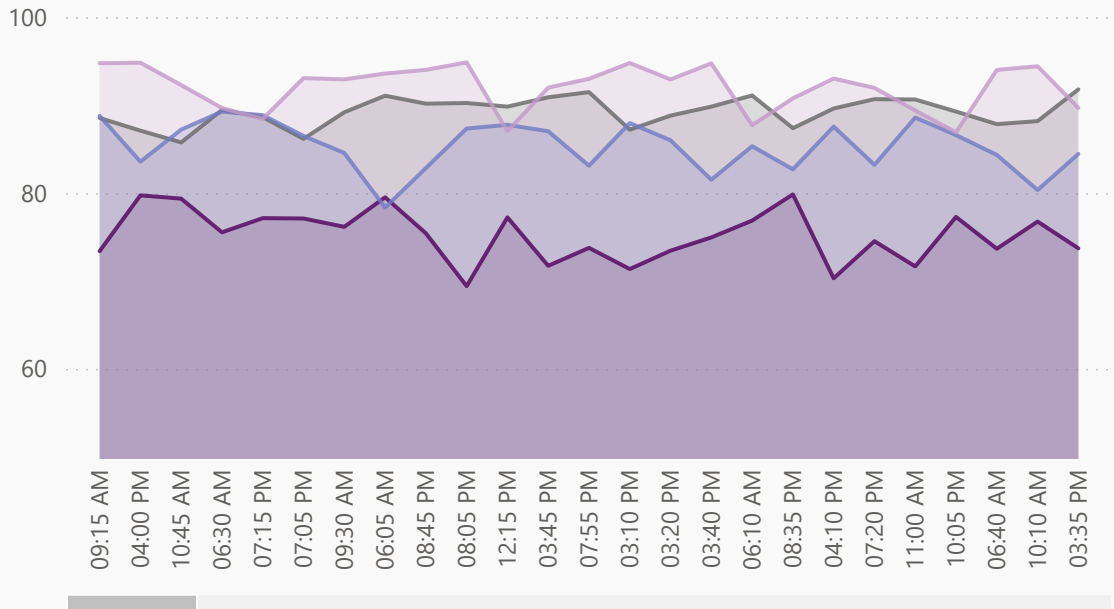
Average Energy Consumption



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

Condition ● BMS Overheating ● Charger Error ● Inverter Failure ● Normal



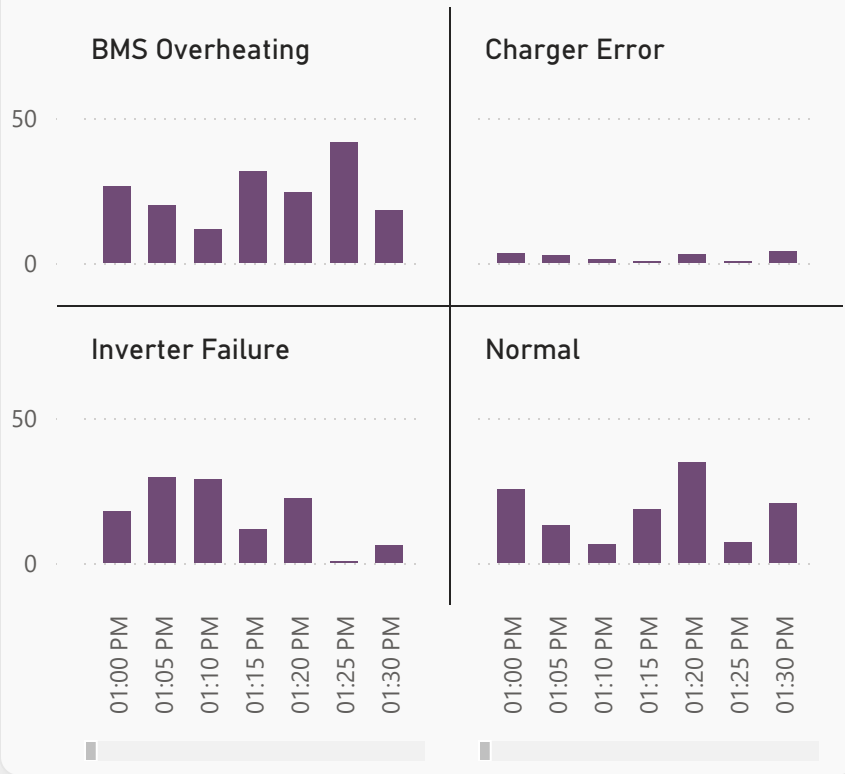
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Performance Metrics

Energy Flow Insights

Trend Analysis

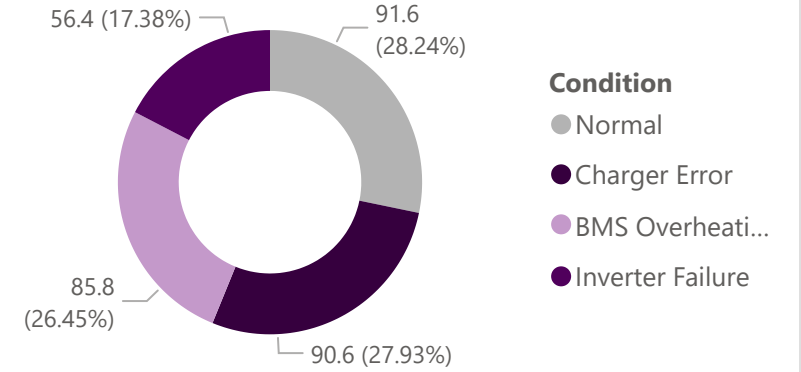
Charging Power Usage Patterns



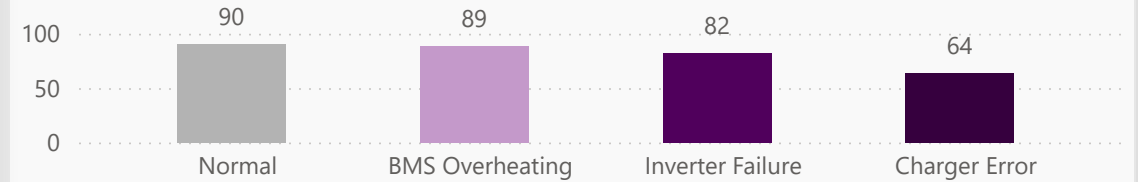
Condition

- 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/s <sup>2</sup>	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/s <sup>2</sup>	40.33	4492 N	65.4°C	0.792 kWh/km	99.3°C	50.1%	42.6 km/h	.
Charger Error	0.1 m/s <sup>2</sup>	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/s <sup>2</sup>	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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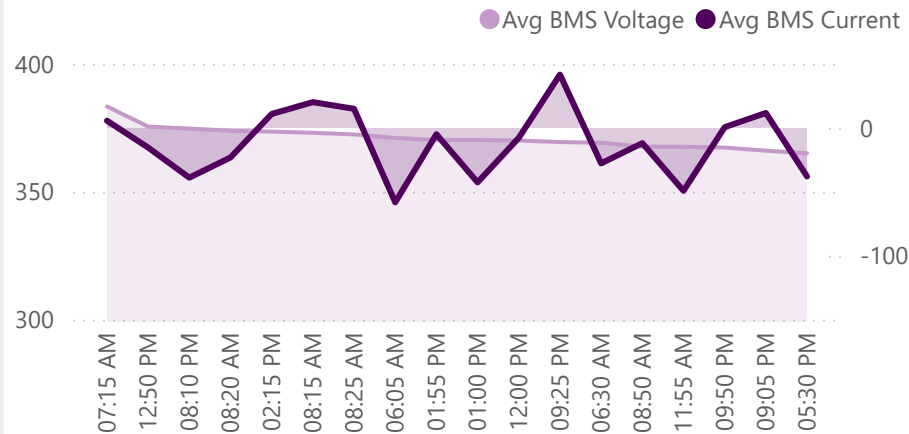


Energy Flow Insights

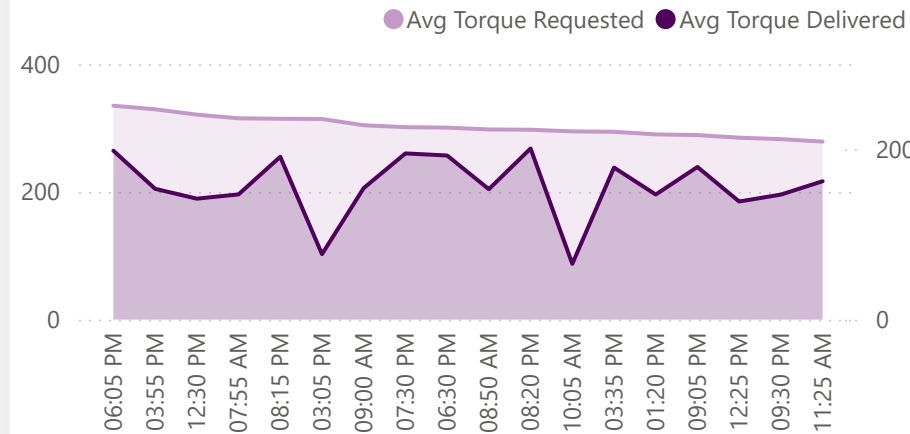


Trend Analysis

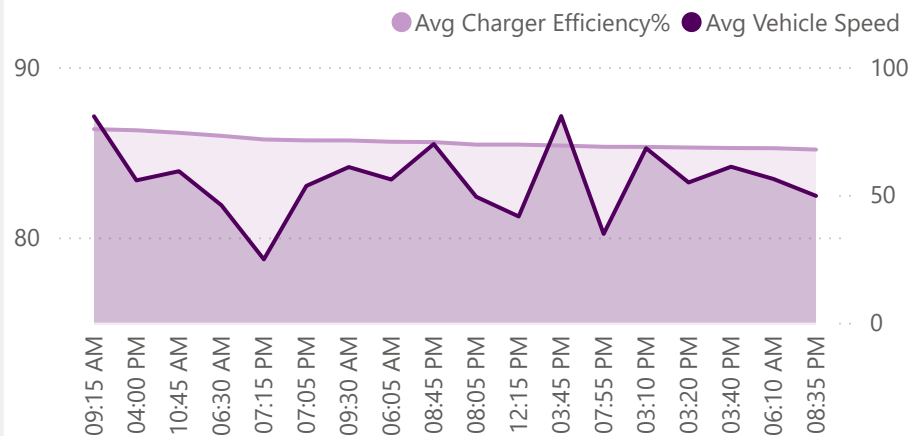
Voltage & Current Dynamics



Torque Requested vs Delivered



Charger Efficiency & Vehicle Speed



Charger Input Power vs Efficiency

