



HOCHSCHULE
RAVENSBURG-WEINGARTEN
UNIVERSITY
OF APPLIED SCIENCES

Interreg
Alpenrhein-Bodensee-Hochrhein



Kofinanziert
von der
Europäischen
Union

PROTOTYPISCHE UMSETZUNG LASTMANAGEMENT LADEVERSUCHE E-MOBILITY LABOR

Ladetest Loacker Testdurchführung

Betriebshof Loacker:

- 2 Leistungseinheiten
- 4 / 6 Ladepunkte

Testfahrzeug:

- VW iD7 mit 2 Ladekarten



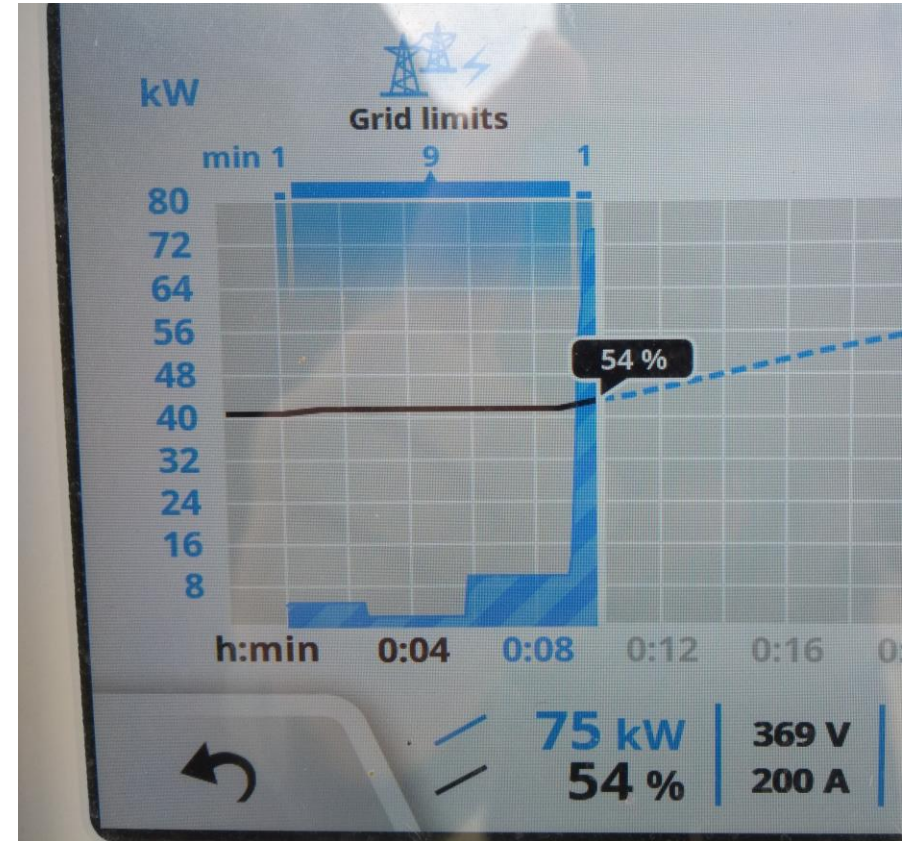
Ladetest Loacker

Testergebnisse

```

26
27 """create schedule"""
28 start_of_schedule = CPOAPI.create_timestamp()
29 # charging_rate_unit = "AMPERES"
30 charging_rate_unit = "WATTS"
31
32 duration = 600 # seconds
33 v schedule = [
34     # offset in seconds, limit in Watts or Amperes
35     {"offset": 0, "limit": 5000},
36     {"offset": 200, "limit": 2500},
37     {"offset": 400, "limit": 10000}
38 ]
39 """post request"""
    
```

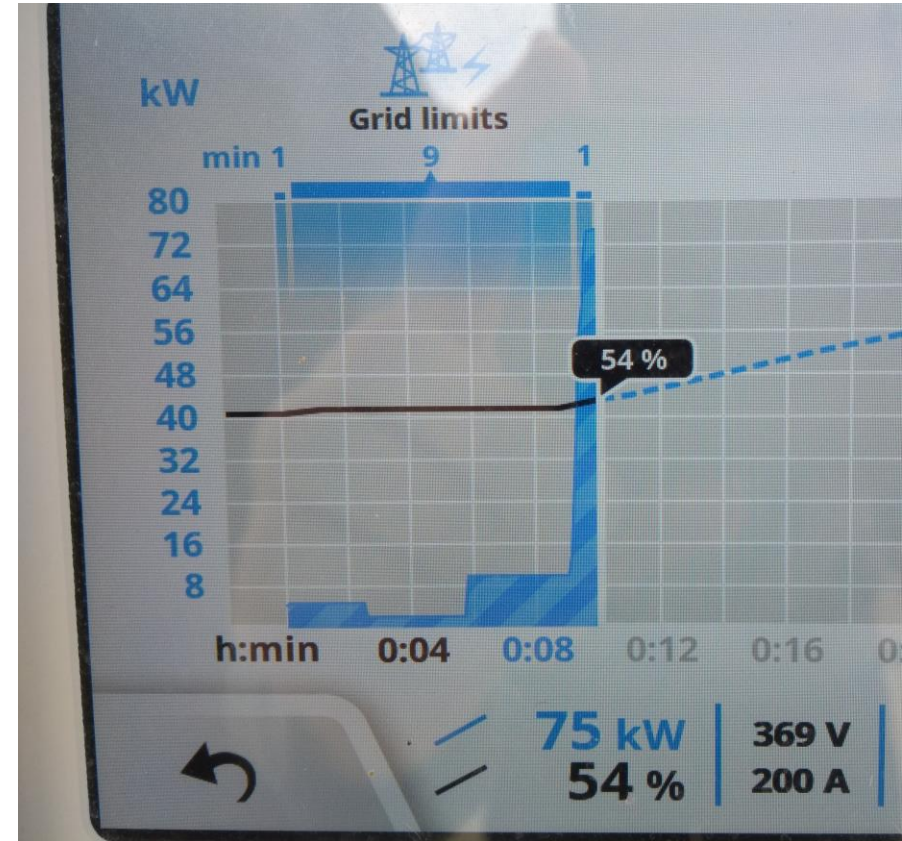
Ladeplatt wird Ladepunktgenau umgesetzt



Ladetest Loacker

Erkenntnisse

- Minimaler Ladestrom: 2A \approx 740 W
 - unterhalb Ladeabbruch!
 - Neustart Ladeplan nur durch entriegeln und erneutes einstecken möglich!
 - Kein Start des Ladeplans bei zuvor eingestecktem Auto möglich → Ladeabbruch



Ladetest Loacker

Erkenntnisse

- API quota:

```
INFO:root:Response: {'details': 'Please try again in 777 second(s).', 'requestId': '0HINGTUKMNGC9V:00000001', 'message': 'API quota exceeded.'}
```

- Rejected by Charge Point:

```
INFO:root:Response: {'result': 'ERROR', 'error': 'REJECTED_BY_CHARGE_POINT'}
```

```
27 """create schedule"""
28 start_of_schedule = CPOAPI.create_timestamp()
29 charging_rate_unit = "AMPERES"
30 #charging_rate_unit = "WATTS"
31
32 duration = 180 # seconds
33 schedule = [
34 | | # offset in seconds, limit in Watts or Amperes
```



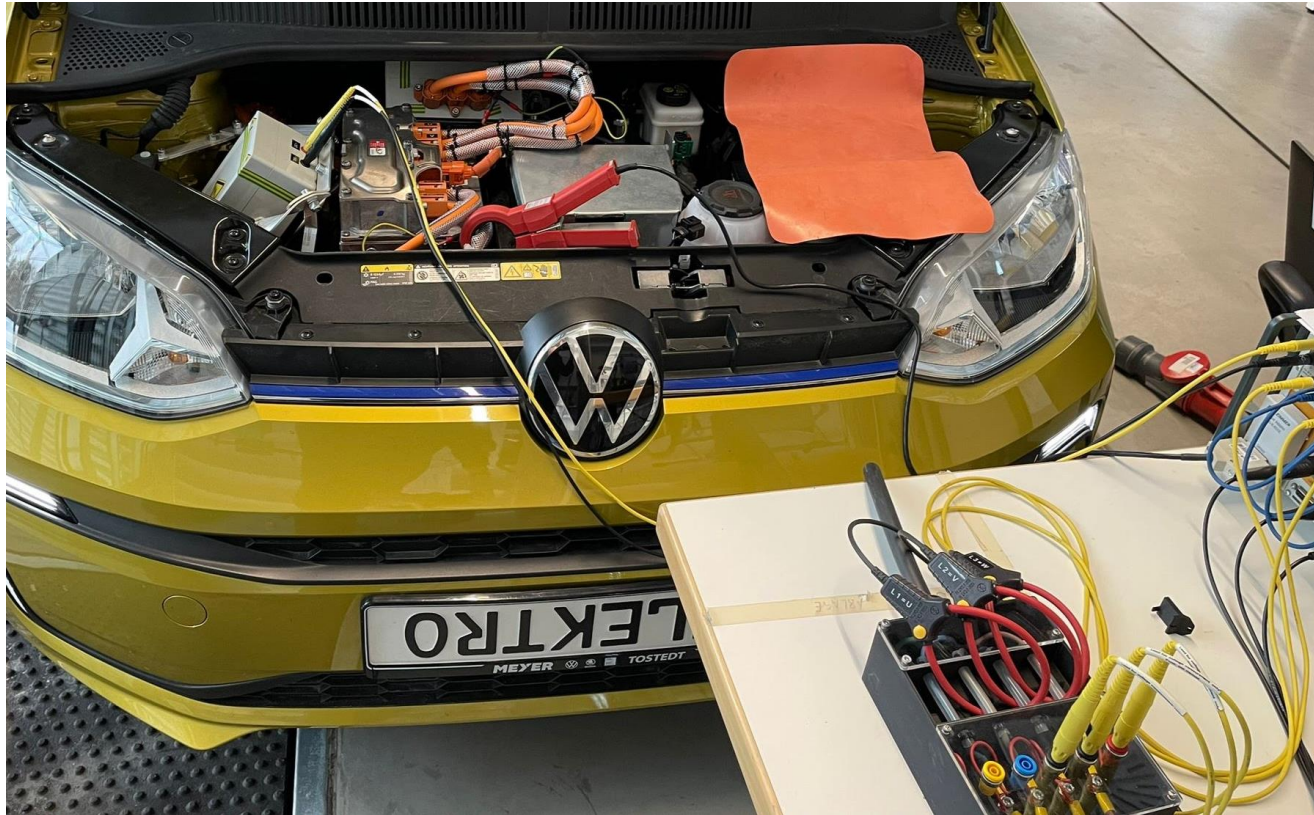
Ladetests E-Mobility Labor

Leistungsmessung Kempower Movable Charger



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