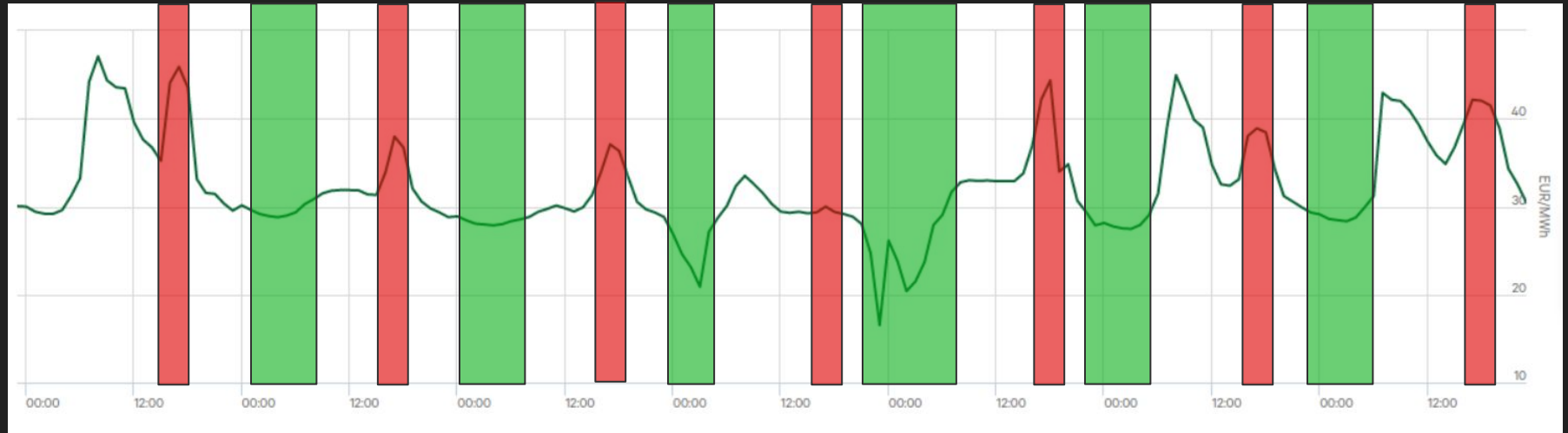


The future of charging

Peter Lindkvist, CTO Bright

<https://getbright.se>

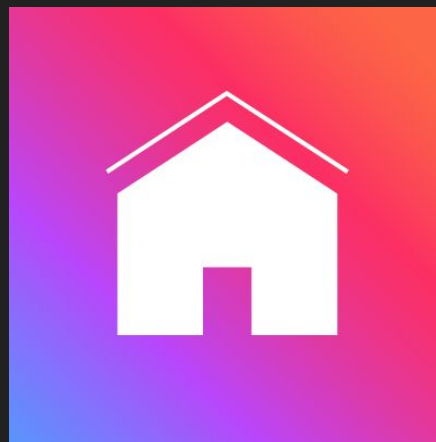
Energy price in Sweden, 9 - 18 Januari



Source : <https://www.nordpoolgroup.com>



IFTTT



🏠 Priser — Förförbrukning — Temperatur

Pris (öre)

Förbrukning (kWh)

• 50.4

• 6.95

• 39.2

• 4.64

• 27.9

• 2.32

0 2 4 6 8 10 12 14 16 18 20 22



Tesla unofficial API. <https://timdorr.docs.apiary.io/>

- POST /oauth/token
- GET /api/1/vehicles
- GET /api/1/vehicles/[id]/data_request/charge_state
- POST /api/1/vehicles/[id]/command/charge_start
- POST /api/1/vehicles/[id]/command/charge_stop

```
{
  "response": {
    "charging_state": "Charging",
    "charge_limit_soc": 82,
    "battery_level": 66,
    "ideal_battery_range": 159.86,
    "time_to_full_charge": 5.1,
    "charger_voltage": 218,
    "charger_pilot_current": 13,
    "charger_actual_current": 13,
    "charger_power": 3,
    "time_to_full_charge": 5,
    "trip_charging": false,
    "full",
    "e",
    ",
    false,
    l,
  },
}
```

```
{
  "response": {
    "charging_state": "Charging",
    "charge_limit_soc": 82,
    "charge_limit_soc_std": 90,
    "charge_rate": 7.4,
    "time_to_full_charge": 5,
    "trip_charging": false,
    "charge_port_door_open": true,
    "scheduled_charging_start_time": null,
    "scheduled_charging_pending": false,
    "managed_charging_active": false,
    "managed_charging_user_canceled": false,
    "managed_charging_start_time": null,
    "charge_miles_added_rated": 6,
    "charge_miles_added_ideal": 5,
    "charger_voltage": 218,
    "charger_pilot_current": 13,
    "charger_actual_current": 13,
    "charger_power": 3,
    "timestamp": 1507925703809
  }
}
```

```
{
  "response": {
    "charging_state": "Charging",
    "charge_limit_soc": 82,
    "charge_limit_soc_std": 90,
    "charge_limit_soc_min": 50,
    "charge_limit_soc_max": 100,
    "time_to_full_charge": 5,
    "trip_charging": false,
    "charge_rate": 7.4,
    "charge_port_door_open": true,
    "scheduled_charging_start_time": null,
    "charger_voltage": 218,
    "charger_actual_current": 13,
    "charger_power": 3,
    "charge_energy_added": 1.48,
    "charge_miles_added_rated": 6,
    "charge_miles_added_ideal": 5,
    "charger_pilot_current": 13,
    "charger_actual_current": 13,
    "charger_power": 3,
    "eu_vehicle": true,
    "timestamp": 1507925703809
  }
}
```


Thanks

<https://getbright.se>