

## 1. Greenhouse gas emissions

Parameter	2021	2020	2019	2018
CO <sub>2</sub> per module [kg]	3.49	3.23	6.25	10.11
CH <sub>4</sub> per module [kg]	0	0	0	0

CO<sub>2</sub> emission factors: Natural gas 0.201kg CO<sub>2</sub> / kWh\* | Electricity mix 2018: 0.471kg CO<sub>2</sub> / kWh\*; 2019: 0.408kg CO<sub>2</sub> / kWh\*; 2020, 2021 (estimated): 0.187kg CO<sub>2</sub> / kWh\*\*. \*Source: Umweltbundesamt | \*\*Source: Electricity provider

## 2. Energy use & power generation

Parameter	2021	2020	2019	2018
Use of electrical energy per module [kWh]	11.16	11.42	12.89	18.85
Use of natural gas per module [kWh] <sup>a</sup>	7.00	5.45	4.94	6.12
Use of fuel oil per module [kWh]	0	0	0	0
Power generation from our own PV systems per module [kWh]	0.31	0.32	0.32	0.44

<sup>a</sup>Mean calorific value 2018: 11.231kWh/m<sup>3</sup>; 2019: 11.184kWh/m<sup>3</sup>; 2020: 11.227kWh/m<sup>3</sup>; 2021: 11.291kWh/m<sup>3</sup>

## 3. Drinking water consumption

Parameter	2021	2020	2019	2018
Drinking water consumption per module [l]	7.7	6.7	11.8	15.0

#### 4. Waste disposal

Parameter	2021	2020	2019	2018
Hazardous waste for thermal elimination per module [g]	2.8	2.8	8.8	5.8
Non-hazardous waste for energy recovery per module [g]	366	264	397	492
Non-hazardous waste for recycling per module [g]	383	666	672	974