

CONSERVING RESOURCES BY REUSING AND RECYCLING

...with over 45 years' experience.

As a brand of the climate-neutral Buhck Group, which specialises in legally compliant, professional waste disposal and also owns HME Hamburger Müllentsorgung Rohstoffverwertungsges. mbH, 2ndlifesolar processes used PV modules in order to give them a second life. Our service portfolio includes collecting, preparation for reuse, recycling and disposing of PV systems and solar modules. The environment benefits from this closed cycle, which helps to conserve resources. Once tested, the PV modules can serve as replacements for defective modules in an otherwise functional PV system, as balcony-mounted power plants, or can also be assembled to form new PV systems. By choosing us, you'll be doing your part to support the energy transition. Used PV modules have many advantages: they are more affordable to buy, reduce the consumption of resources and raw materials, and still deliver excellent performance.

At HME, we have many years' experience in the professional disposal of such systems. HME has developed responsible disposal solutions for its customers for more than 45 years and has been a certified specialist disposal company since 1997. We have particular expertise in relation to electrical waste and photovoltaic modules.

Get in touch to find out more about us, our commitment to providing **reliable, professional and personal** services, and to see for yourself what we can offer.



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**PV module
recycling**



WATT'S THE SENSE IN WASTE?

Collection and disposal
of photovoltaic modules



“ **Professional PV module recycling conserves raw materials, is sustainable and reduces CO₂ emissions.** ”

Jan Krause “

HME Hamburger Müllentsorgung Rohstoffverwertungsges. mbH

CONSERVE RESOURCES BY RECYCLING

We can turn even old photovoltaic modules into something useful!

Did you know that many of the photovoltaic modules sent for disposal in Germany are still fit for use? As a certified treatment facility, we inspect and process such modules so they can be used again in future. In Germany, only certified disposal specialists are authorised to replace or remove and subsequently dispose of old or defective photovoltaic modules and solar power installations. The operator of a PV system must demonstrate that dismantled modules have been disposed of properly and inspected for potential reuse in future. This is part of the 'second-life' approach and supports the foundation of the circular economy.



We can assist with situations including:

- Glass breakage
- Storm and/or hail damage
- Fire damage
- Power loss
- Repowering

Are PV modules considered hazardous waste?

No. Photovoltaic modules are not hazardous waste. They are classed as waste electrical equipment and fall under the German Electrical and Electronic Equipment Act (ElektroG). Both monocrystalline and polycrystalline modules can be recycled. If modules are still functional, we process them and get them ready for reuse. If they are defective, we collect the raw materials in the modules, which include aluminium, glass and copper.

Where can I dispose of photovoltaic modules and solar systems?

As the operator of a PV system, you must be able to prove that any dismantled modules have been recycled properly or processed for reuse (in line with the 'second-life' approach). Photovoltaic modules are classed as waste electrical equipment and fall under

the Electrical and Electronic Equipment Act (ElektroG). You can hand used PV modules and solar systems over to certified disposal specialists. The key thing is that you can demonstrate that dismantled components and systems have been sent for recycling or processing in line with the Circular Economy Act (KrWG) and ElektroG.



Whether it's a single photovoltaic module or an entire solar farm, as a certified disposal specialist we guarantee professional disassembly and removal, issue an official certificate of disposal, and report all material quantities to the EAR Foundation in accordance with Section 30 of the ElektroG.

DISPOSAL OF PV MODULES or, in short: 2ndlifesolar!



Consultation & concept development



Renaturing concepts for former PV areas



National logistics services for PV module disposal



Official certificates of professional disposal



Dismantling of entire systems, solar farms, etc.



Material quantities reported to EAR Foundation (Section 30 ElektroG)



Certified disposal/processing in accordance with KrWG/ElektroG



Legally compliant – from start to finish!



Reuse inspections support sustainability (conserving resources, recovering materials, reducing CO₂ emissions)

