



solar
mirrortec

**„ We parabolizing
the sun
in the center -**



**for your emissions
free process! „**

Solarmirrortec is a product group of - www.imkgmbh.at

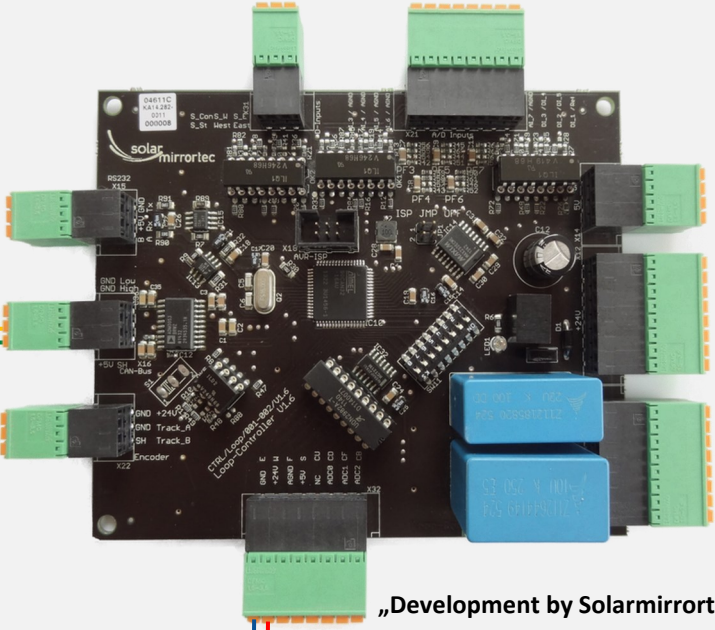


“The astronomical solar pacemaker SMT with numerous additional functions for CSP-CPV and PV collector systems”



CANBus

SMT board with astronomical control of the collector loop and solar field control with data storage and graphical evaluation!



„Development by Solarmirrortec“

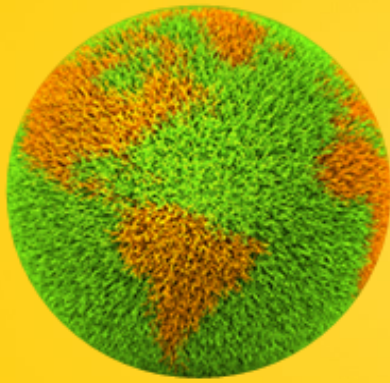
Integrated evaluation of the collector and loop data recordings



Parameter	Value	Unit
Loop Number	1	
Leitungsdruck	2.24 bar	
Durchfluss	986.25 l/h	
Max. Tagesleistung	26.7 kW	
Einstrahlungsleistung	0.16 kW/m²	
Einstrahlung	122.242	W/m²
Wärmeleistung	129.2 °C	
Wärmedichte	87.6 °C	
Wärmedichte	53.6 °C	
Wärmedichte	75.0 °C	
Wärmedichte	79.2 °C	
Wärmedichte	95.3 °C	

SMT user interface with up to 64 adjustable loops per SMT board





“New CSP component technologie and recycling concepts with a global Marketing strategy will Sustainably reduce the CO2 footprint”



Plastic recycling - the future raw material!

In 2020, 25.7 million tonnes of polypropylene were processed worldwide using injection moulding. The plastics industry uses the rapid injection moulding process for polypropylene in particular, especially for the production of large numbers of identical and high-precision components. This results in high-quality plastic waste that is utilised through recycling processes and conserves natural resources as recycle. The amount of plastic waste will continue to increase, which is why it will flow back into production even more extensively via the circular economy in the future!



Value creation cycle



Designed by Solarmirrortec



Climate protection is also possible with new technologies and global business models!

We can help reduce plastic waste and strengthen the circular economy without compromising the high quality of our CSP collector structure! times, stackable components, low weight and small transport volumes - with up to 800 components in a 20-foot container - reduce the global carbon footprint even for smaller projects.

Solarmirrortec’s tooling licences and expertise can be utilised worldwide. Local production results in lower transport and component costs. The business model for the patent CSP component technology in injection moulding can be made available worldwide through qualified partners, interested parties, suppliers or project organisers.

