



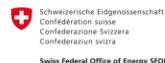
**Perovskia**

# Energy self-sufficiency by enabling a solar cell on every device

spin-off |  Empa

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# SOLUTION

## Digitally printed custom design perovskite solar cells



### 1. Customizable

Shape, size & electrical requirements.



### 2. Efficient

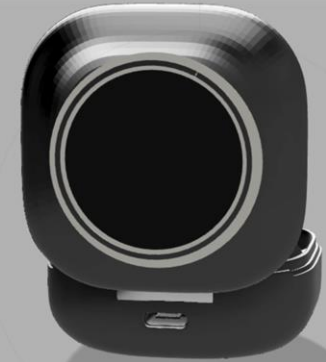
Works indoors & outdoors.



### 3. Easy to adopt

Mass production at low cost.

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Kept Indoors

1hr music time



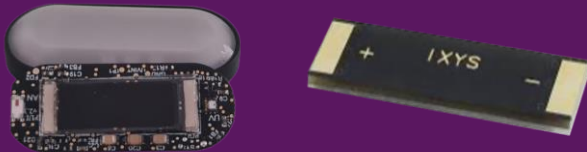
Lifelong Power

\* Third party product for illustration purpose

# INDOOR SOLAR CELLS

**3X** power than crystalline silicon in indoors conditions

Silicon



Power Generation:  
1000 lux (office light)  
25  $\mu\text{W}/\text{cm}^2$

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80  $\mu\text{W}/\text{cm}^2$



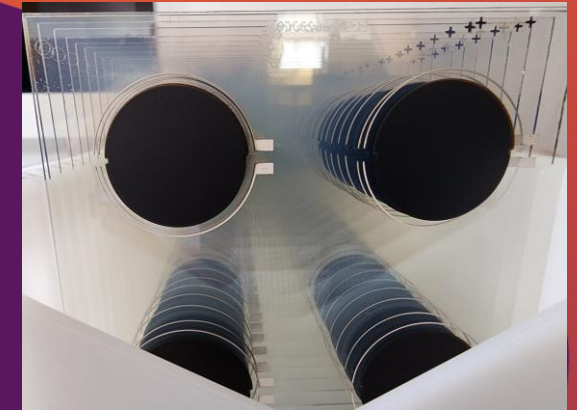
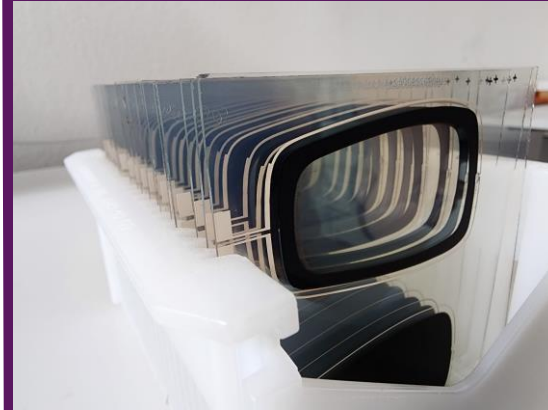
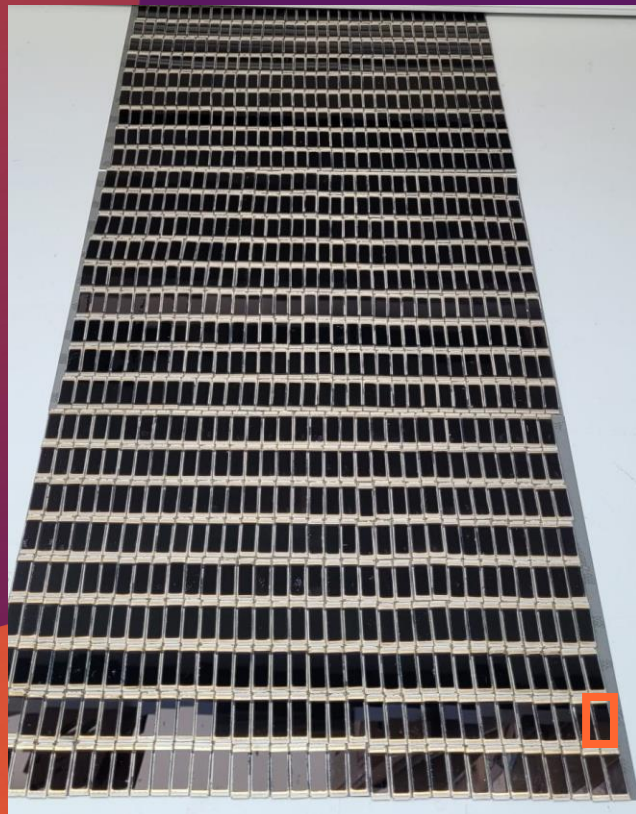
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Quartz wrist watch: 1  $\mu\text{W}$  IoT transmitter kit: 30  $\mu\text{W}$



# Unlimited Free Energy for everyday devices

Customize the cells's shape,  
size & electrical requirements



# B2B: EARLY ADOPTERS

<b>baracoda™</b>	<b>sun·a·wear</b>	US based IoT sensor company	Fortune 100 industrial electronics leader	Top 5 Indian auto-maker	Top 3 global automotive component supplier
<b>Wearable – health tech</b>	<b>UV- sensor med-tech wearable</b>	<b>Gas sensor</b>	<b>IoT</b>	<b>IoT</b>	<b>Diverse</b>

- **First big contract** : under discussion (40k cells/month)
- First commercial contract : CHF 12.5k (4500 cell)
- 17 paying customers : enquiry 2M+ cells – **CHF4M - CHF10M**

# INVESTMENT OPPORTUNITY

## 2023: CHF 2 M



Serve existing  
customer needs  
and enquiries



Opex & Backend  
automation



Expand  
production team  
8 FTEs



Accelerate  
business  
development  
2 sales & biz dev



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# THANK YOU



150k CHF award



100k award



No.1 Public vote (2021)  
Top 100 2022, 2023



GOLD PRIZE  
30,000

4VFN

Awards  
2023

Top 50 Startups

Top 50 startups Globally



venture leaders

10 Swiss national startup team 2  
times: Barcelona, Munich, London



IMD startup award- EMBA  
students help Perovskia



TOP 14 globally  
selected startup



2<sup>nd</sup> Prize 20,000 CHF



TOP 10 companies to explore  
Africa



No.1 Unicorn Pitch: Switzerland



TOP 5- Finalist  
Prix Strategis



10 Swiss startups attacking  
climate change



2<sup>nd</sup> Prize (2022)  
17,500 CHF award



TOP 10 companies  
to explore India