

Solar
Capture

Solar Energy Hub
Power, Simply
Anywhere



Shaping a Sustainable Future

Solar Energy Hub (SEH 100) - Agricultural Monitoring

SolarCapture

Solar solutions for people and planet.

At *Solar Capture*, our vision is set on making renewable solar energy accessible to everyone. We want to empower generations to use clean renewable energy as a means of powering the future. Through a balance of collaboration, cutting-edge technology and honest business application we can, and we are making great change. And we want you to be a part of that.



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Power, Simply Anywhere

Solar Energy Hub

No cabling, no mains requirements. The Solar Energy Hub provides an all in one solution to your off-grid power requirements.

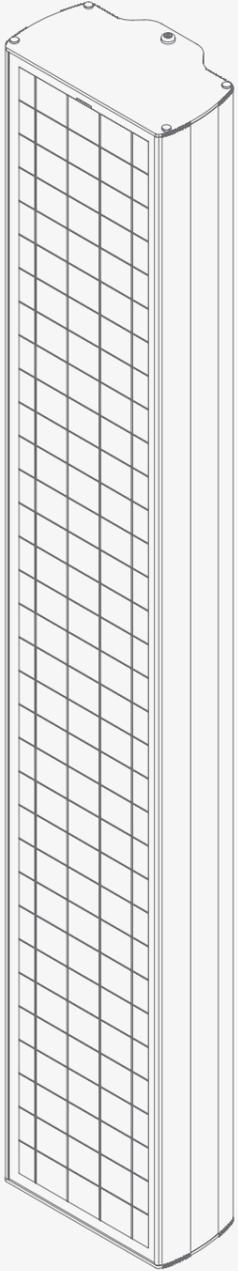
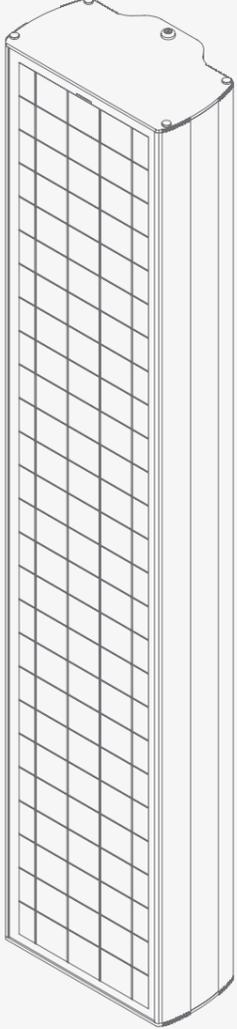
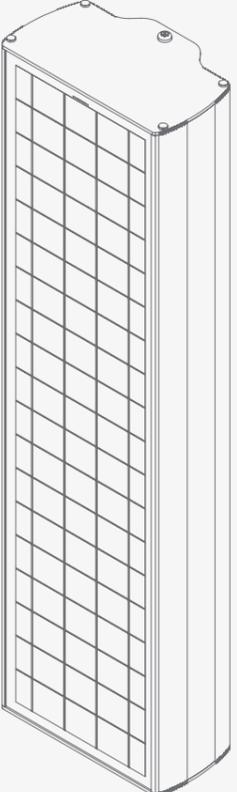
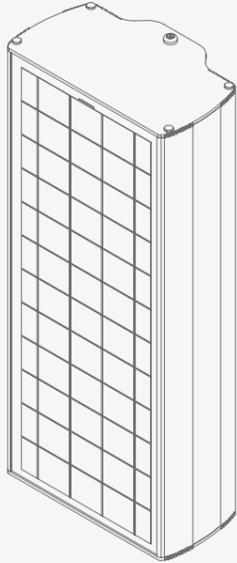
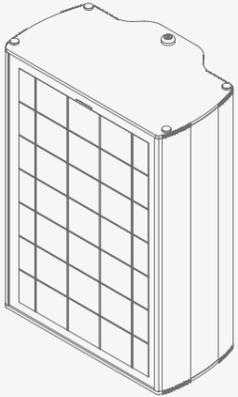
With installation in as little as five minutes, the Solar Energy Hub collection allows you to harvest and store energy anywhere. Whether it's powering remote sensing, or tracking animals across rural areas, each energy hub provides the best powering platform to support your technology.

Why choose an Energy Hub?

- Plug-and-play energy solution
- No cabling or mains connection required
- Fully integrated anodised aluminium unit
- High efficiency mono crystalline cells
- Fully customisable electronics, housing and end caps to support add-on components
- Internal storage for end-user electronics
- Rapid deployment and installation
- Non-intrusive structural profile

Configurations

SEH Modules can be modified to custom specifications. Please contact for more information.



SEH 25

SEH 40

SEH 70

SEH 100

SEH 130

5.5 W

8 W

16 W

24 W

32 W

Engineered to perform.

Solar Energy Hub (SEH 130) -
Street lighting power bank

The Solar Energy Hubs columnar profile maximises winter and low sun conditions to ensure full uninterrupted operation all year round. This streamline profile ensures minimum disruption to existing infrastructure, as well as overcoming issues of wind loading and structural safety requirements.

Mechanical Specification

(Construction Overview)

Tamperproof screws for authorised access

Customisable end caps (additional electronic ports) with watertight gasket seal

Removable battery gear tray. Deep discharge AGM lead acid as standard

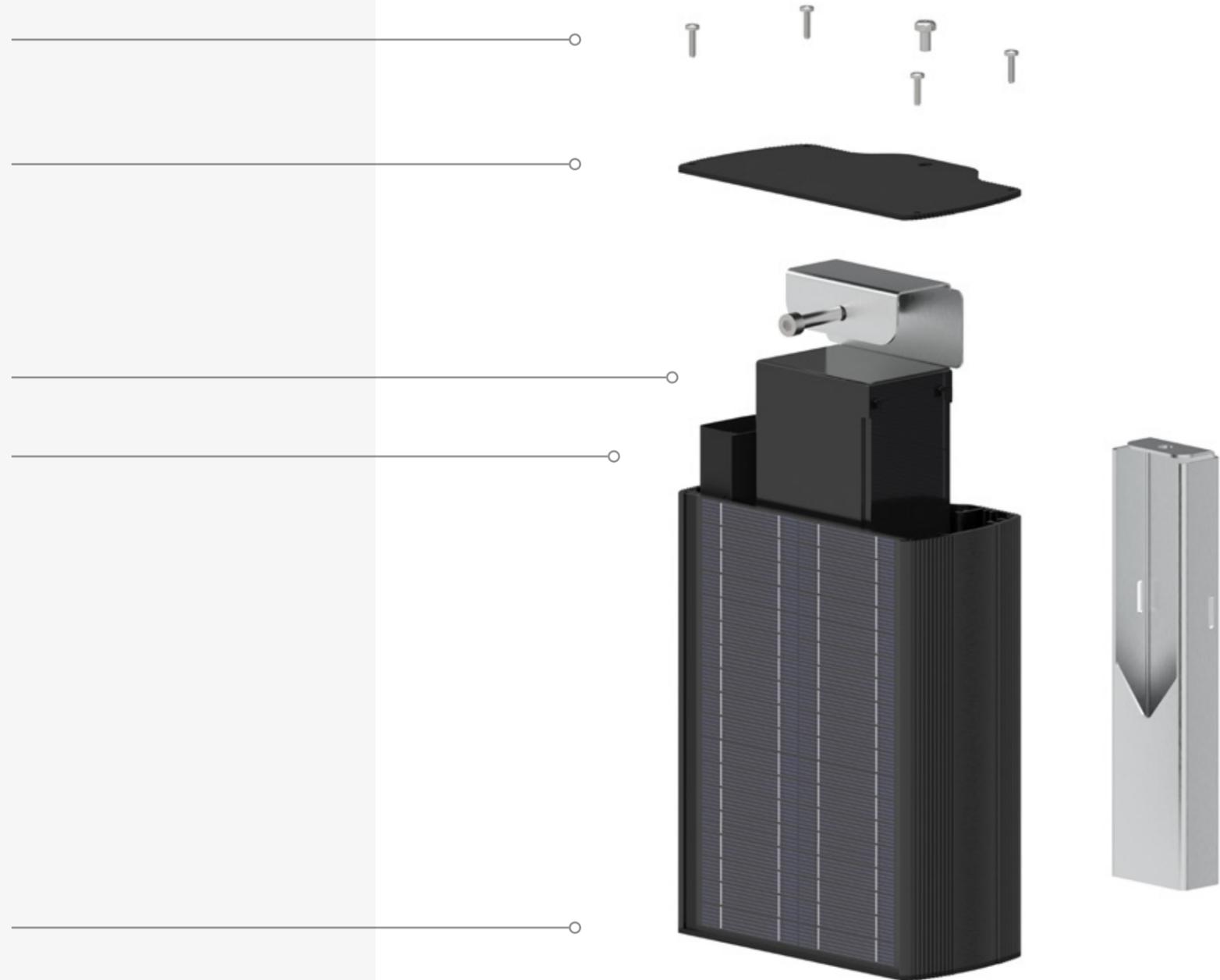
Industrial PWM charge control with advance charging algorithms. Fully programmable with night/ day detection built in. Under and overcharge protection ensuring extended battery life

Internal mounts to locate electronics, sensing and imagery equipment

Robust anodised aluminium extrusion

Universal mounting bracket allows installation to walls and posts in under 5 minutes by one installer

High efficiency mono crystalline solar cells



Customisation

We're able to adapt each Solar Energy Hub to suit your specific requirements. Whether it's custom electronics, or a bespoke colour finish, we can deliver the optimal solution for you. Want to know more? Contact enquiries@solarcapturetechnologies.com

- Custom voltage and electronic specifications
- Increased battery storage
- Adaptations for end-user electronics
- Custom end cap configurations
- Horizontal and angled mounting brackets
- Bespoke colours and finishes

Materials and Finishes

Materials

Extruded aluminium
6063 T6 housing

Toughened low iron
glass front module

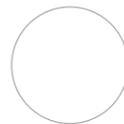
Finish



Black anodised
(standard finish)



Natural anodised



Custom specified anodised /
powder coated finish

Technical Data-sheet

	SEH 25	SEH 40	SEH 70	SEH 100	SEH 130
Length (M)	0.25	0.4	0.7	1.0	1.3
Max. Power (W)	5.5	8	16	24	32
Voltage (V)	12	12	12	12	12
Battery Capacity (Ah)	7	7	14	21	28
Operating Temperature *C	-15 – 50				
Power Tolerance	-5% / +10%				

For pricing, please contact:

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Applications

Power, simply anywhere. No limitations.

Shown right; SEH 130 with angled mounting bracket. Supporting Orion Gateway technology for rural animal tracking in Austria.

The Solar Energy Hub has been used within a variety of industry sectors including:



Agriculture



Parking & transport monitoring



Smart Cities



Network



Emergency aid support



Security



Environmental monitoring



Water supply & protection



Off-shore



Have questions
on how solar can
work for you?

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