

SOLAR SMARTBEAM COLLECTION



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+



Strawberry
energy

Partnership

SMARTBEAM - FUNCTIONALITIES



SmartBeam Standard:

- Wireless chargers
- LED Light
- Solar Panel
- Battery
- Coolers

- 1. wireless charging:** placed at the end of each side
- 2. integrated lighting:** SmartBeam generates energy and store whenever there is sunlight. Saved energy is used during the night to power built in LED light and illuminate the surrounding below the bench. That way you can bring light to places that do not have access to the power grid or any other remote area.

SMARTBEAM - ADVANTAGES

1. Off the grid system
2. **Clean energy** → 100% solar
3. **Seamless integration**
4. **Easy installation**
5. **Durability** → aluminium body for more resistance to weathering and low maintenance of solar cells
6. **Reducing CO2 emission with every recharge.** Take a seat, charge up, and see your impact in real time! Just scan the QR code on the side to discover exactly how much CO2 this SmartBeam bench has saved so far.



SMARTBEAM – TECHNICAL SPECIFICATIONS



Dimensions:

- Length: 1800 mm
- Width: 152 mm
- Height: 44 mm
- Weight: 11 kg

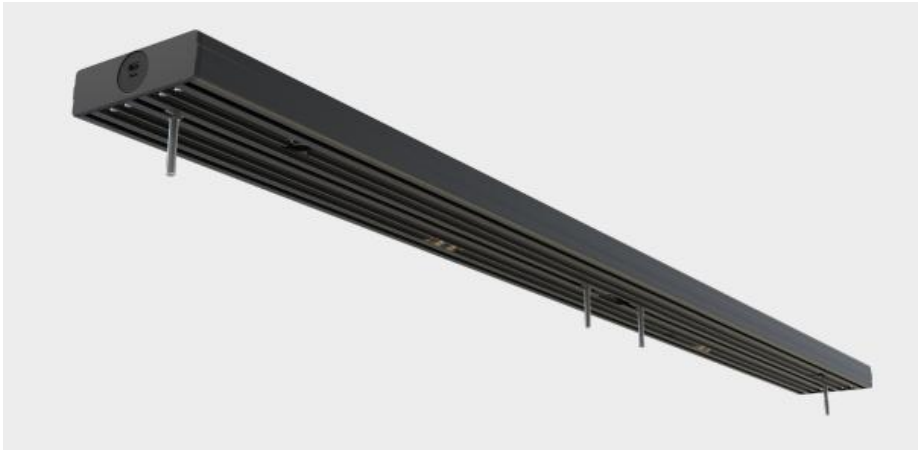
Main materials:

- Anodized Aluminum body
- Polymer solar panel cover

Power and electronics:

- Solar panel: 48 W of power
- Battery system: low voltage 12 V → lithium-ion battery with thermal insulation and 20Ah of capacity

SMARTBEAM – TECHNICAL SPECIFICATIONS



Outdoor use → it can resist to standard conditions such as rain and snow. It is water-tight.

Operating temperature: the device can do its basic function of charging mobiles when the temperature inside the beam ranges from -10° up to $+50^{\circ}\text{C}$.

When the temperature inside the beam is out of this range, the battery goes into "quiet mode".

IP class: under certification.

Charging: charging time with solar energy is not predefined, depending on solar, atmospheric conditions.

It can be charged manually with the correct lithium battery charger $12,6\text{ V } 2\text{A}$ with $5,5 \times 2,1\text{mm}$ power plug.

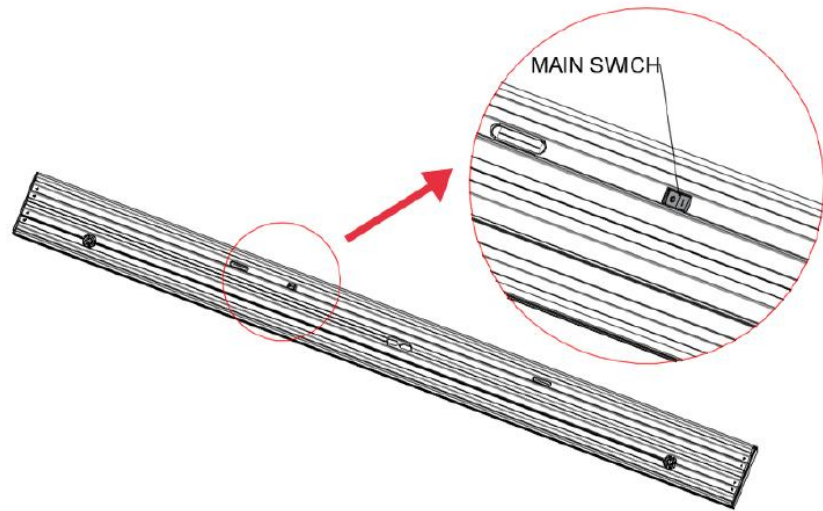
SMARTBEAM – MANUAL CHARGING

SmartBeam can be charged manually with the correct lithium battery charger **12,6 V 2A with 5,5x2,1mm power plug (to be purchased separately from the beam)**

1. Make sure your SmartBeam is turned OFF.
2. Locate the POWER plug on the back of your SmartBeam and plug it in.
3. Plug in your charger and make sure your SmartBeam is charging. After plugging in your charger make sure the LED, indicator on the charger is on. Keep the SmartBeam plugged in at least 4 hours to make sure it is completely charged.



SMARTBEAM – INSTALLATION



Metalco benches are shipped with SmartBeam already installed on their seating surfaces.

Once the bench is received:

1. Switch on the beam using the proper button on the bottom side of the SmartBeam.
2. Wait for 5 seconds until the light on the upper side turns on.
3. If it is not at full charge (green light), it is advised to charge beam connecting it to the grid before installing it. This will allow the beam to be operational immediately and do not require to wait a full recharge via solar energy.

SMARTBEAM – IMPORTANT NOTES

Please consider that delivery times of solar products with SmarBeam must be verified with Sales dept. prior confirmation to your clients.

WARRANTY:

- Beam (batteries excluded): 2 years from Metalco invoice date
- Batteries: 1 year from Metalco invoice date



SMARTBEAM – EU DECLARATION OF CONFORMITY

EU DECLARATION OF CONFORMITY

Product: SmartBeam Solar

Model: Standard

Manufacturer: Strawberry energy doo

Address: Ruzveltova 1a, 11000, Belgrade, Serbia

This declaration of conformity is issued under the sole responsibility of the manufacturer.

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

2014/30/EU Electromagnetic Compatibility (EMC): EN IEC 61000-6-3:2021, EN IEC 61000-6-1:2019

2014/35/EU Low Voltage Directive (LVD): EN IEC 62368-1:2020/A11:2020

(EU) 2017/2012 Restriction of Hazardous Substance (RoHS)

References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:

Wi-Fi & Bluetooth IoT Module:

- **Safety:** EN 62368-1:2020+A11:2020
- **EMC:** EN 301 489-1 V2.2.3, EN 301 489-17 V3.2.4
- **Radio:** EN 300 328 V2.2.2
- **Health:** EN IEC 62311:2020

LTE Module:

- **Safety:** EN 62368-1:2014+A11:2017
- **EMC:** EN 301 489-1 V2.2.3 (2019-11), EN 301 489-19 V2.1.1 (2019-04), Draft EN 301 489-52 V1.1.0 (2016-11), EN 55032:2015, EN 55035:2017
- **Radio:** EN 301 511 V12.5.1 (2017-03), EN 301 908-1 V13.1.1 (2019-11), EN 301 908-2 V13.1.1 (2020-06), EN 301 908-13 V13.1.1 (2019-11), EN303 413 V1.1.1 (2017-06)
- **Health:** EN 62311:2008

Qi Wireless Charger:

- **EMC:** EN 301 489-1 V2.2.3 (2019-11), EN 301 489-3 V2.1.1 (2019-03), EN 55032:2015+A11:2020, EN 55035:2017+A11:2020
- **Health:** EN IEC 62311:2020

USB Charger:

- **Safety:** UL 62368-1
- **EMC:** EN 55032:2015, EN55035:2017, EN 61000-3-2:2014, EN 61000.3.3:2013
- **Ingress Protection (IP) ratings:** IEC 60529

Signed for and on behalf of the above manufacturer:



Milos Milisavljevic

CEO, Strawberry energy doo

SMARTBEAM – CE CERTIFICATE OF CONFORMITY

EU Electromagnetic Compatibility (EMC)



Shenzhen Tian Hai Test Technology Co.,Ltd.

CE Certificate of Conformity

Certification number: TH2402047-C02-C01

Report number: TH2402047-C02-R01

Shenzhen Tian Hai Test Technology Co., Ltd. hereby declares that testing has been completed and reports have been generated for:

Applicant: Strawberry energy d.o.o.
Address: Ruzveltova 1a, Belgrade, Serbia
Manufacturer: Strawberry energy d.o.o.
Address: Ruzveltova 1a, Belgrade, Serbia
Product: SmartBeam Solar
Trade Mark: SmartBeam
Model: Standard

And, in accordance with the following applicable directives:

2014/30/EU Electromagnetic Compatibility (EMC)

This product has been assessed against the following applicable standards:

EN IEC 61000-6-3:2021
EN IEC 61000-6-1:2019

Standard(s):

Therefore, Shenzhen Tian Hai Test Technology Co., Ltd. hereby acknowledges that the applicant may issue a DECLARATION of CONFORMITY and apply the CE marking in accordance with European Union Rules.

Attestation by:




Thomas Wong



Date of Issued: 2024-02-28

SMARTBEAM – CE CERTIFICATE OF CONFORMITY

Low Voltage Directive (LVD)


Shenzhen Tian Hai Test Technology Co.,Ltd.

CE Certificate of Conformity

Certification number: TH2402047-C01-001 Report number: TH2402047-C01-R01
Shenzhen Tian Hai Test Technology Co.,Ltd. hereby declares that testing has been completed and reports have been generated for:

Applicant: **Strawberry energy d.o.o.**
Address: Ruzveltova 1a, Belgrade, Serbia
Manufacturer: **Strawberry energy d.o.o.**
Address: Ruzveltova 1a, Belgrade, Serbia
Product: **SmartBeam Solar**
Model: Standard

And, in accordance with the following applicable directives:
2014/35/EU Low Voltage Directive(LVD)

That this product has been assessed against the following applicable standards;
Standard EN IEC 62368-1:2020/A11:2020

Therefore, Shenzhen Tian Hai Test Technology Co.,Ltd. hereby acknowledges that the applicant may issue a DECLARATION of CONFORMITY and apply the CE marking in accordance with European Union Rules.

Attestation by: 
 Thomas Wong


Date of Issued: 2024-02-29

Tel:+86-755-86615100 Fax:+86-755-86615105 <http://www.tianhaitest.com>

SMARTBEAM – ATTESTATION OF CONFORMITY RoHS

Restriction of Hazardous Substance



Shenzhen Tian Hai Test Technology Co.,Ltd.

Attestation of Conformity RoHS

Certification number: TH2404029-C01-C01

The device, as described herewith, was tested and/or verified on the basis of samples and/ or RoHS test reports provided by the Applicant, and to be certified that the hazardous substance are in compliance with the Directive:

(EU)2017/2102 Restriction of Hazardous Substance

The test results are traceable to the international or national standards.

Applicant: **Strawberry energy d.o.o.**
Address: Ruzveltova 1a, Belgrade, Serbia
Manufacturer: **Strawberry energy d.o.o.**
Address: Ruzveltova 1a, Belgrade, Serbia
Product: **SmartBeam Solar**
Model: Standard

The results in this report are applicable only to the devices tested and/or test reports verified. This report shall not be re-produced except in full without the written approval of the undersigned. This report is valid only companied with the RoHS report verified and identified by the undersigned.

Attestation by:



Thomas Wong



Date of Issued: 2024-04-02

SMARTBEAM – AVAILABLE MODELS

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• MPAN00001

BAILO SMART bench in p.p.c. steel and WPC Ultra with SmartBeam

• MPAN00072

HARRIS SMART bench L=2050 with backrest in p.p.c. steel and WPC plus tropical with SmartBeam

• MPAN00070

HARRIS SMART bench L=2050 with backrest in Corten steel and WPC plus tropical with SmartBeam

• MPAN00071

HARRIS SMART bench L=2050 without backrest in p.p.c. steel and WPC plus tropical with SmartBeam

• MPAN00002

HARRIS SMART bench L=2050 without backrest in Corten steel and WPC plus tropical with SmartBeam

• MPAN00003

SARAH SMART bench without backrest L=2200 in PDM granite (colour to be specified) - polished top, sandblasted sides -with SmartBeam

• MPAN00095

SARAH SMART bench without backrest L=2200 in PDM marble (colour to be specified) - polished top, sandblasted sides -with SmartBeam

• MPAN00096

SARAH SMART bench without backrest L=2200 in PDM granite (colour to be specified) - brushed top, sandblasted sides - with SmartBeam

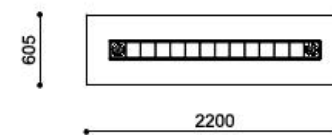
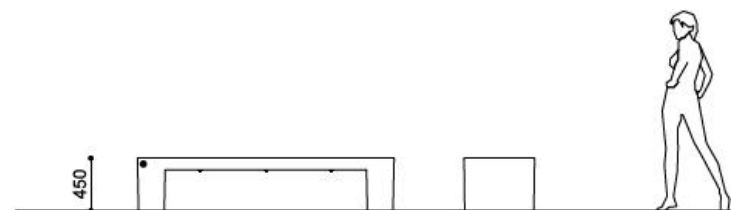
• MPAN00097

SARAH SMART bench without backrest L=2200 in PDM marble (colour to be specified) - brushed top, sandblasted sides - with SmartBeam

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SARAH SMART



SARAH SMART

RAFFAELE LAZZARI

PDM (sabbato, piano levigato)
PDM (Sandblasted, polished top)
PDM (Brossé, dessus poli)
PDM (Tratado con chorro de arena, parte superior pulida)

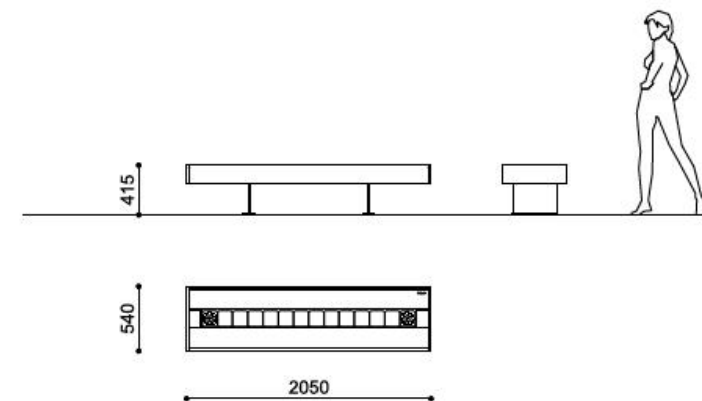
530 kg

Predisposizione per tasselli
Pre-drilled for anchors
À cheviller
Predisposición para tacos





HARRIS SMART



HARRIS SMART

SJIT

WPC Plus + Acciaio verniciato
WPC Plus + Powder coated steel
WPC Plus + Acier thermolaqué
WPC Plus + Acero pintado

90 kg

Predisposizione per tasselli
Pre-drilled for anchors
À cheviller
Predisposición para tacos

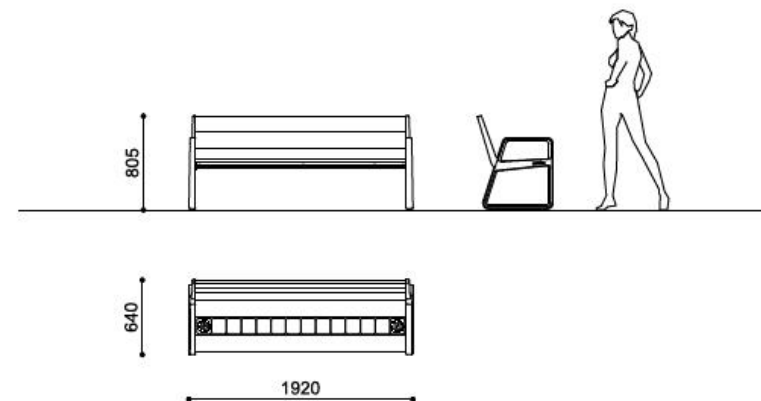




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BAILO SMART



BAILO SMART

MASSIMO TASCA

WPC Plus + Alluminio verniciato
WPC Plus + Powder coated aluminum
WPC Plus + Aluminium thermolaqué
WPC Plus + Aluminio pintado

60 kg

Cementazione con barre filettate
Installation with threaded bars
À sceller avec tiges filetées
Cimentación con varillas roscadas





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