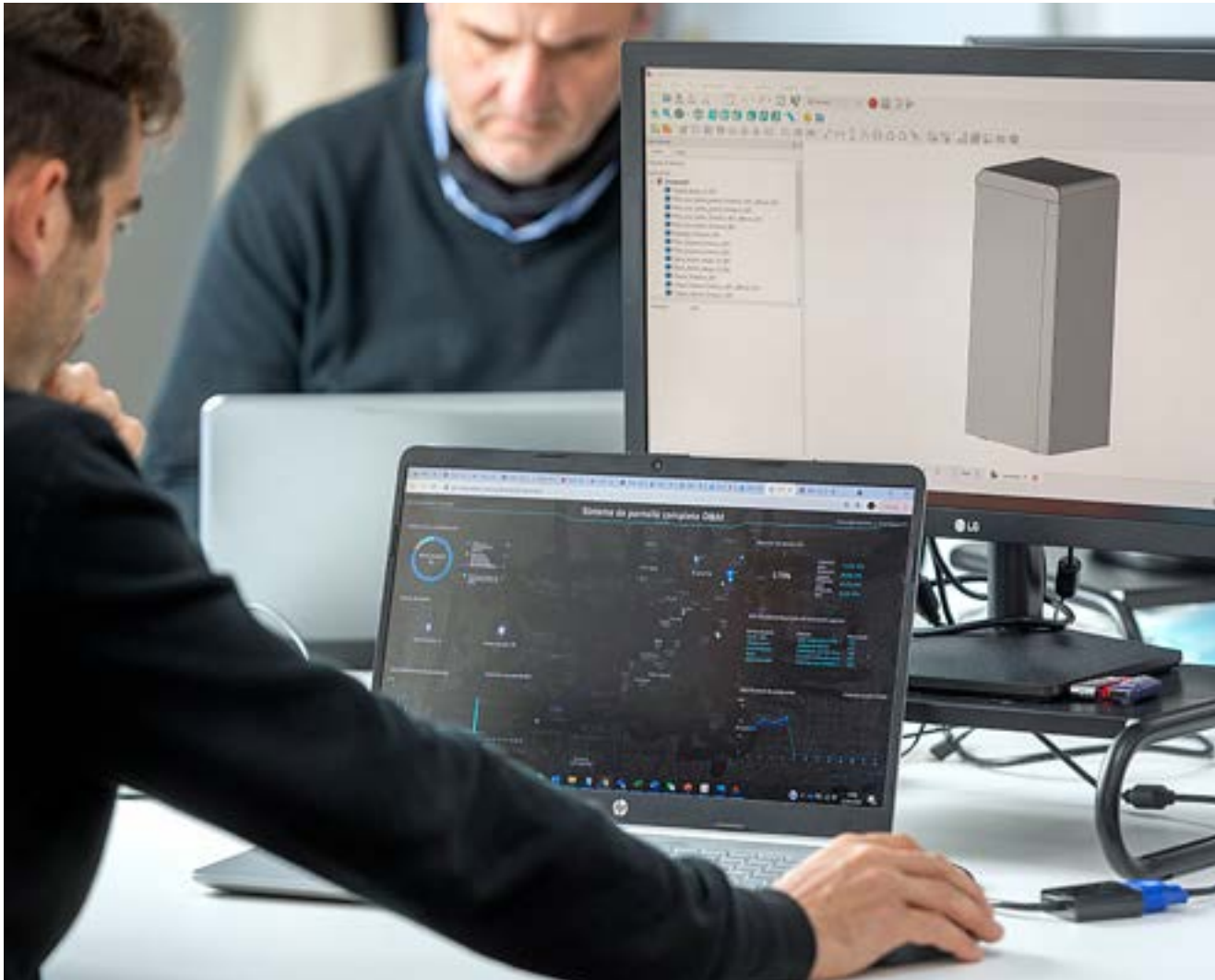


TURBO ENERGY™

SOLAR INNOVATION

RETAIL PRICES **Q3 2022**



Turbo Energy™ is the first developer and producer of components exclusively designed for applications in isolated photovoltaic solar installations or for residential self-consumption.

Turbo Energy™'s catalogue is highly focused on products intended for the accumulation and reduction of the final cost of electricity production, whilst ensuring high quality through an impeccable R&D management.

Turbo Energy™ designed the **SunBox®** product range following a **Plug&Play** philosophy, which enables minimising the amount of time required to install a solar energy system, avoids the need to carry out works, eliminates incidents during installation and ensures an optimal design.

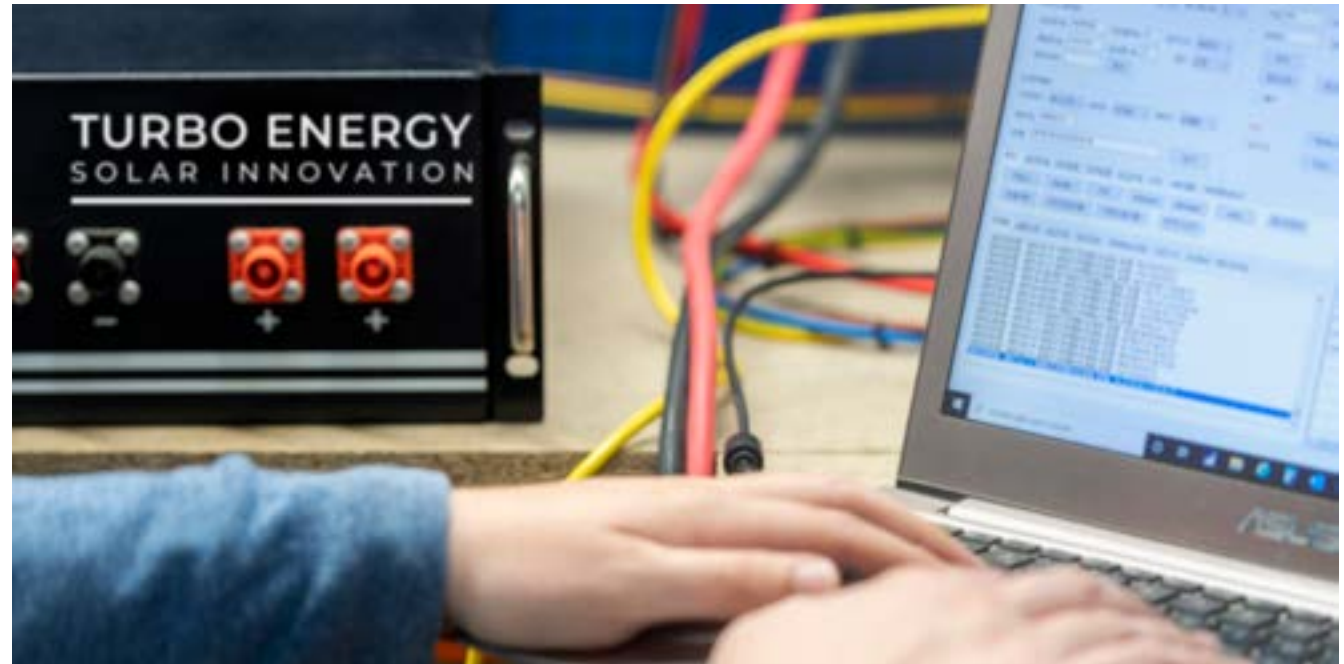
FROM IDEAS TO REALITY

Design and Innovation

Turbo Energy™ has a firm commitment to innovation, from the product's creation and design to its testing, production, and distribution.

The goal is to optimise performance at our customers' facilities, by developing products and solutions with a high component of management software and AI.

Turbo Energy™ products undergo thorough tests at our own laboratory and third-party accredited laboratories to ensure a correct operation.





STORAGE DIFERENTIATION



PLUG&PLAY
PHILOSOPHY



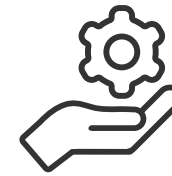
IMPROVES CUSTOMER
SATISFACTION



With the possibility to install batteries from the beginning or at a second stage



Easy installation



Minimum maintenance required



The system work with batteries, in the event of mains failure, and can maintain critical consumption



Minimum assembly times thanks to the meticulous design carried out by our R&D department



Useful life of the system > 20 years

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Products

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SUNBOX

The **SunBox**[®] system can be used in isolated and self-consumption applications with and without batteries.

Prices are exclusive of batteries, any Lithium Series 48V model must be added depending on the desired capacity.

Artificial Intelligence System included in the unit, which allows remote management by our technical support.

- ✓ AC and DC protection system included in the unit
- ✓ **Optional battery**



10
YEAR
GUARANTEE

✓ **HIGH STOCK LEVEL**



Download the Turbo Energy App for free and provide your unit with AI



Plug&Play Philosophy
Domestic installations



Back-Up System Available
Intelligent switching



Rated Potential
5 to 10kW




Battery
Up to 10.2kWh



Peak Shaving
Power reduction

Ref.	Model	Rated Power	Retail Price
DS-002819	SUNBOX SMART SERIES 5.0	5kW Single Phase	4.850 €
DS-002889	SUNBOX SMART SERIES 10.0 3Ph	10kW Three Phase	7.850 €

-  [Instructions manual 5.0](#)
-  [Fact Sheet](#)
-  [Instructions manual 10.0](#)
-  [Fact Sheet](#)

SUNBOX EV

The **SunBox EV** system with integrated electric vehicle charger can be used in photovoltaic self-consumption applications with Storage.

Prices are exclusive of batteries.

The AI System included in the unit allows managing the compromise between the EV charging speed and cost.

This is done using the Turbo Energy App.

- ✓ AC and DC protection system included in the unit
- ✓ **Optional battery**

✓ **HIGH STOCK LEVEL**



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Download the Turbo Energy App for free and provide your unit with AI



Plug&Play Philosophy
Domestic installations



Back-Up System Available
Intelligent switching



Rated Potential
5 to 10kW



Battery
Up to 10.2kWh



Peak Shaving
Power reduction

Ref.	Model	Rated Power	Retail Price
DS-003021	SUNBOX EV SMART SERIES 5.0	5kW Single Phase	5.300 €
DS-003056	SUNBOX EV SMART SERIES 10.0 3Ph	10kW Three Phase	8.900 €



Lithium Battery Series 24V

NMC Lithium Battery perfect for solar installations isolated from the grid. It does not require communications with the inverter, because, unlike LiFePO 4 technology, it is easily manageable through voltage.

Easy installation thanks to the quick connections that reduce installation times.



✓ **HIGH STOCK LEVEL**

NMC

NMC Lithium Battery
Identical voltage to lead



Rated Voltage
DC 24V



Rated Capacity
87,5Ah



Dimensions
400 x 440 x 134 mm



Weight
21 kg

REF.	Model	Voltage	Capacity	Cycles	Dimensions	Weight	Retail Price
DS-002435	TE LITHIUM SERIES 24V 2,24kWh	DC 24V	2.240Wh	6.000 (80% DoD)	400 x 440 x 134 mm	21 kg	1.380 €
DS-002453	CABLE KIT TE 2,24kWh						80 €



Lithium Series Battery 48V 2.4kWh

Lithium Ferro Phosphate (LiFePO4) battery with 6,000 useful life cycles, perfect for solar energy applications, both for photovoltaic self-consumption with storage, and for solar installations isolated from the grid.

Compatible with Turbo Energy™, Voltronic and Victron Energy inverters.

Up to 40 units parallel connection capacity.

Easy installation thanks to the quick connections that reduce installation times.

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✓ **HIGH STOCK LEVEL**

Compatible with inverters:



LiFePO4

Lithium LiFePO4 Battery
6.000 Cycles (80% DoD)



Rated Voltage
DC 48V



Rated Capacity
50Ah



Dimensions
480 x 360 x 90 mm



Weight
25 kg

REF.	Model	Voltage	Capacity	Cycles	Dimensions	Weight	Retail Price
DS-003062	TE LITHIUM SERIES 48V 2,4kWh	DC 48V	2.400Wh	6.000 (80% DoD)	480 x 360 x 90 mm	25 kg	1.676 €
DS-002769	CABLE KIT TE 2,4kWh / 3,6kWh						50 €



Lithium Series Battery 48V 2.4kWh Slim

Lithium LiFePO4 battery with 2.4kWh and 48V capacity for self-consumption and isolated installations.

Compatible with Turbo Energy, Victron, Voltronic, Goodwe, Growatt, Solis, Sofar, Darfon, Sermatec and Ingeteam inverters.

Parallel connection of up to 15 batteries with communication.

- ✓ With Standard Turbo Cable Comm
- ✓ Inverter Independent DIP Configuration
- ✓ Wi-Fi Module under Development



✓ **HIGH STOCK LEVEL**

Compatible with inverters:



Great compatibility



Rated Voltage
DC 48V



Rated Capacity
50Ah



Dimensions
440 x 505 x 66.5 mm



Weight
23 kg

REF.	Model	Voltage	Capacity	Cycles	Dimensions	Weight	Retail Price
DS-002997	TE LITHIUM SERIES 48V 2,4kWh SLIM	DC 48V	2.400Wh	6.000 (80% DoD)	440 x 505 x 66.5 mm	23 kg	1.500 €
DS-003036	CABLE KIT TE 2,4/5,1kWh SLIM						50 €



Lithium Series Battery 48V 5.1kWh

Lithium Ferro Phosphate (LiFePO4) battery with 6,000 useful life cycles, perfect for solar energy applications, both for photovoltaic self-consumption with storage, and for solar installations isolated from the grid.

Compatible with Turbo Energy™, Voltronic® and Goodwe® inverters.

Up to 6 units parallel connection capacity.

Easy installation thanks to its connections to reduce installation times.



Compatible with inverters:



LiFePO4

Lithium LiFePO4 Battery
6.000 Cycles (80% DoD)



Rated Voltage
DC 51,2V



Rated Capacity
100Ah



Dimensions
475 x 446 x 200 mm



Weight
52 kg

REF.	Model	Voltage	Capacity	Cycles	Dimensions	Weight	Retail Price
DS-002765	TE LITHIUM SERIES 48V 5,1kWh	DC 51,2V	5.120Wh	6.000 (80% DoD)	475 x 446 x 200 mm	52 kg	3.196 €
DS-003036	CABLE KIT TE 5,1kWh						50 €



Lithium Series Battery 48V 3,6kWh

Lithium Ferro Phosphate Battery (LiFePO₄) with 6,000 useful life cycles, perfect for solar energy applications, both for photovoltaic self-consumption with storage, and for solar installations isolated from the grid.

Compatible with Turbo Energy™ inverters, Voltronic® and Goodwe®.

Up to 40 units parallel connection capacity.

Easy installation thanks to the quick connections that reduce installation times.



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✓ **HIGH STOCK LEVEL**

Compatible with inverters:



LiFePO₄

Batería de Lítio LiFePO₄
6.000 Cycles (80% DoD)



Rated Voltage
DC 48V



Rated Capacity
100Ah



Dimensions
400 x 360 x 133,5 mm



Weight
30 kg

REF.	Model	Voltage	Capacity	Cycles	Dimensions	Weight	Retail Price
DS-002770	TE LITHIUM SERIES 48V 3,6kWh	DC 48V	3.600Wh	6.000 (80% DoD)	400 x 360 x 133,5 mm	30 kg	2.232 €
DS-002769	CABLE KIT TE 2,4kWh/3,6kWh						50 €



Lithium Series Battery 48V 5,1kWh Slim

Lithium LiFePO4 battery with a capacity for 5.1kWh and 48V for self-consumption and isolated installations.

Compatible with Turbo Energy, Victron, Voltronic, Goodwe, Growatt, Solis, Sofar, Darfon, Sermatec and Ingeteam inverters.

Parallel connection of up to 15 batteries with communication.

- ✓ With Standard Turbo Cable Comm
- ✓ DIP Configuration Independent of the inverter
- ✓ Wi-Fi Module under Development
- ✓ 33% narrower
- ✓ 15% lighter
- ✓ Same capacity



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✓ **HIGH STOCK LEVEL**

Compatible with inverters:



Great compatibility



Rated Voltage
DC 51,2V



Rated Capacity
100Ah



Dimensions
440 x 460 x 133 mm



Weight
44 kg

REF.	Model	Voltage	Capacity	Cycles	Dimensions	Weight	Retail Price
DS-000200	TE LIHITUM SERIES 48V 5,1kWh SLIM	DC 51,2V	5.120Wh	6.000 (80% DoD)	440 x 460 x 133 mm	44 kg	2.984 €
DS-003036	CABLE KIT TE 2,4/5,1kWh SLIM						50 €



Lithium Series HV Battery 48V 2,4kWh

Long life Lithium-Ion battery (LiFePO4) with 6,000 life cycles (80%DoD).

Suitable system for working in series.

Compatible with the main inverters on the market.

Easy installation thanks to the quick connections that reduce installation times.



✓ **HIGH STOCK LEVEL**

Compatible with inverters:



LiFePO4

Lithium LiFePO4 Battery
6.000 Cycles (80% DoD)



BMS required



Rated Capacity
50Ah



Dimensions
480 x 360 x 90 mm



Weight
25 kg

REF.	Model	Voltage	Capacity	Cycles	Dimensions	Weight	Retail Price
DS-002882	TE LITHIUM SERIES HV 48V 2,4kWh	DC 48V	2.400Wh	6.000 (80% DoD)	480 x 360 x 90 mm	25 kg	1.580 €
DS-002588	BMS SC500-100S		Valid for up to 7 batteries in series (DC 336V)				1.300 €
DS-002865	BMS SC1000A-100S		Valid for up to 11 batteries in series (DC 528V)				1.656 €
DS-002866	MBMS 1000-S		Valid for BMS groups				1.170 €
DS-002171	CABLE KIT (PYLONTECH®)						30 €



Accessories for Lithium Series Batteries



✓ **HIGH STOCK LEVEL**

REF.	Model	Dimensions	Weight	Retail Price
DS-002515	CABINET FOR 6 BATTERIES	600 x 600 x 890 mm	55 kg	420 €
DS-001800	BATTERY BOX LITHIUM SERIES 5,1kWh			130 €
DS-002186	BRACKETS LITHIUM SERIES 48V 2,4kWh			80 €
DS-002371	BRACKETS LITHIUM SERIES 24V 2,24kWh / 48V 3,6kWh			80 €



Hybrid Inverter Series 48V 5.0

5kW hybrid inverter, perfect both for photovoltaic self-consumption applications and isolated grid installations.

It has the **Peak Shaving** function that allows reducing the contracted power.

Thanks to our software **the battery is automatically programmed** to be consumed in demand peaks so the network demand falls.

- ✓ Compatible Lithium Series 48V.
- ✓ Back-Up 5kW.
- ✓ APP Monitoring.
- ✓ RD1699 certificate.
- ✓ Possibility of three-phase **outlet** installed in a minimum of 3 units.
- ✓ Connects up to **6 inverters in parallel** to increase power.



5
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GUARANTEE

✓ **HIGH STOCK LEVEL**



Download the Turbo Energy App for free and provide your unit with AI



Available on the
Google Play

Download on the
App Store



Wi-Fi monitoring
and LCD screen



Single Phase Pure Sinusoidal Wave
230V



Dimensions
580 x 330 x 208 mm



Weight
≈20,5 kg



Peak Shaving
Power reduction

REF.	Model	Voltage	Power	FV	Dimensions	Weight	Retail Price
DS-002569	HYBRID SERIES SMART 48V 5.0 1PH	DC 48V	5kW	6.500Wp	580 x 330 x 208 mm	≈20,5 kg	2.180 €



Three Phase Hybrid Inverter Series 48V 10,0

10kW three-phase hybrid inverter compatible with low voltage batteries (48V).

It allows making the best use of the installation thanks to features such as **Peak Shaving** or the **Smart Port** inlet, which can be used to connect a generator, microinverters or smart loads.

It also admits an unbalance between phases of up to half of the rated power, allowing different single-phase loads to be connected to each line.

It offers the possibility of **paralleling up to 6 units** for high power installations.

- ✓ Compatible Lithium Series 48V.
- ✓ Back-Up 10kW.
- ✓ Monitoring via App.
- ✓ RD1699 certificate.



Download the Turbo Energy App for free and provide your unit with AI



Wi-Fi monitoring
and LCD screen



3-Phase Pure Sinusoidal Wave
380V



Dimensions
658 x 422 x 281 mm



Weight
≈36,8 kg



Peak Shaving
Power reduction

REF.	Model	Voltage	Power	FV	Dimensions	Weight	Retail Price
DS-002776	HYBRID SERIES SMART 48V 10.0 3PH	DC 48V	10kW	13.000Wp	658 x 422 x 281 mm	≈36,8 kg	4.954 €

📄 [Instructions manual](#)

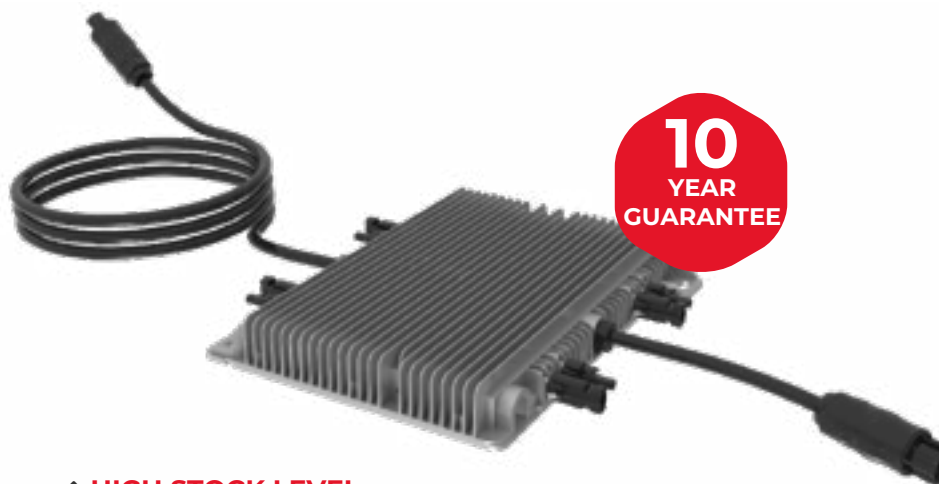
📄 [Fact Sheet](#)

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Micro Series 1.6

- ✓ Micro inverter with 4 photovoltaic module inlets of up to 450W of unit power with 4 MPPT and AC outlet with pre-assembled joining elements to facilitate installation on site.
- ✓ 4 independent MPPT
- ✓ IP65
- ✓ APP Monitoring
- ✓ RD1699 certificate



✓ **HIGH STOCK LEVEL**



Download the Turbo Energy App for free and provide your unit with AI



Available on the **Google Play**

Download on the **App Store**

IP67

IP67 Protection



Rated Output Power

1.600W



MPPT Voltage Range

25 - 55V



Weight

≈5,2kg



Dimensions

267 x 300 x 42.5 mm

REF.	Model	Power	Dimensions	MPPT	Retail Price
DS-002770	MICRO INVERTER SERIES 1.6 PLC	1.600W	267 x 300 x 42.5 mm	4	500 €
DS-003031	MICRO INVERTER SERIES 1.6 WIFI	1.600W	267 x 300 x 42.5 mm	4	500 €
DS-002728	SINGLE-PHASE TURBO ENERGY METER				70 €
DS-002729	MIC 5 TURBO ENERGY PLC MONITOR				254 €
DS-003053	MIC 5 TURBO ENERGY WIFI MONITOR				254 €
DS-002856	MICRO INVERTERS KIT				18 €

↓ [MIC Instructions manual](#)

↓ [Fact Sheet](#)

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↓ [MIS Instructions manual](#)



Selling conditions

<https://www.turbo-e.com/terms-and-conditions-of-sale/>

Technical Assistance Request (TAS)

<https://www.turbo-e.com/technical-support/>

Returns

<https://www.turbo-e.com/returns/>

RMA Request

<https://www.turbo-e.com/rmas/>

Contact

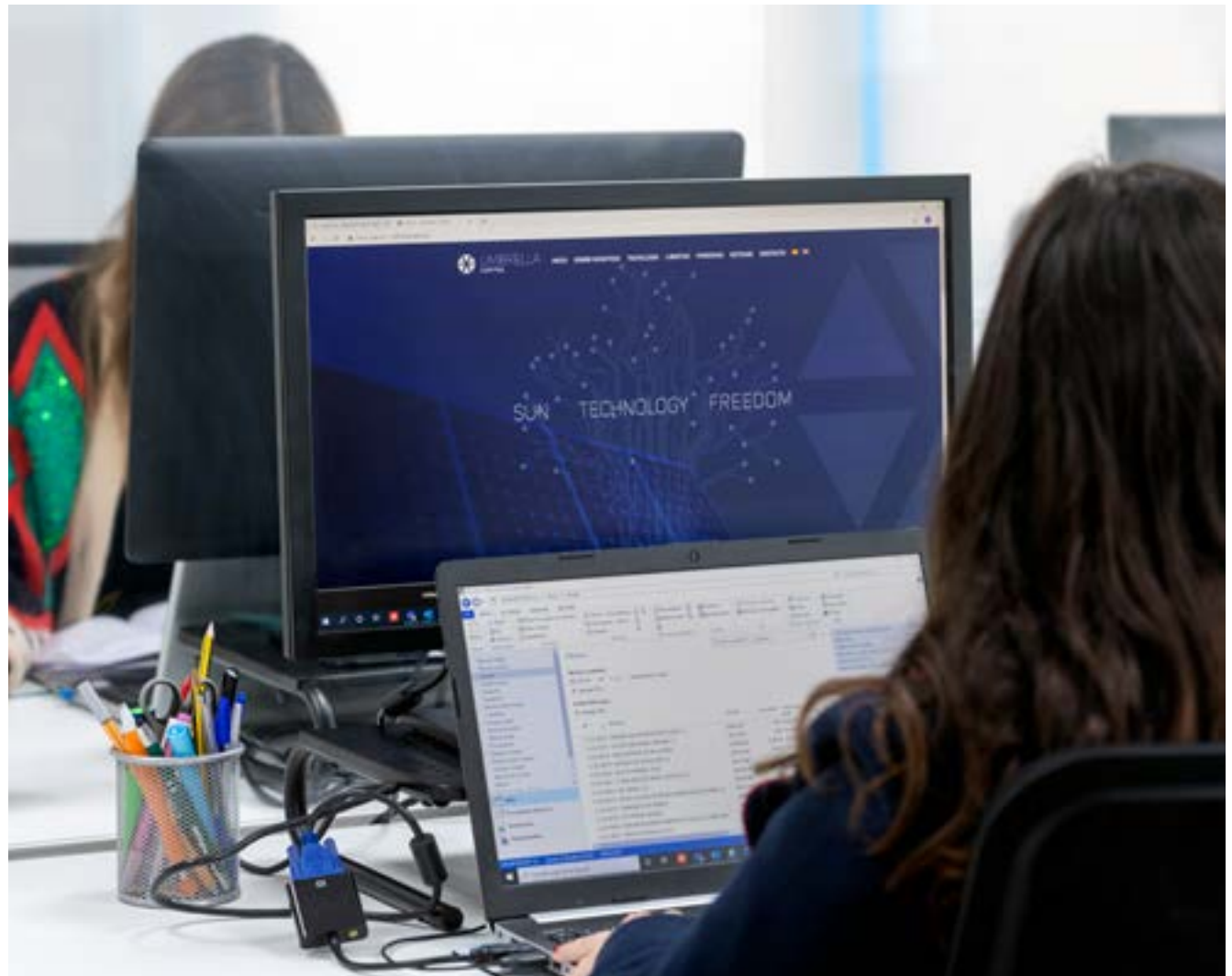
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Our warehouse pick-up times are from Monday
to Friday from 3:00 P.M. to 6:00 P.M.

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