TISSOT

SWISS WATCHES SINCE 1853

PRC 100



SOLAR

User Guide

PRC 100 Solar



This document contains all the essential information you need to know about the PRC 100 Solar watch.

1. What is Tissot PRC 100 Solar?

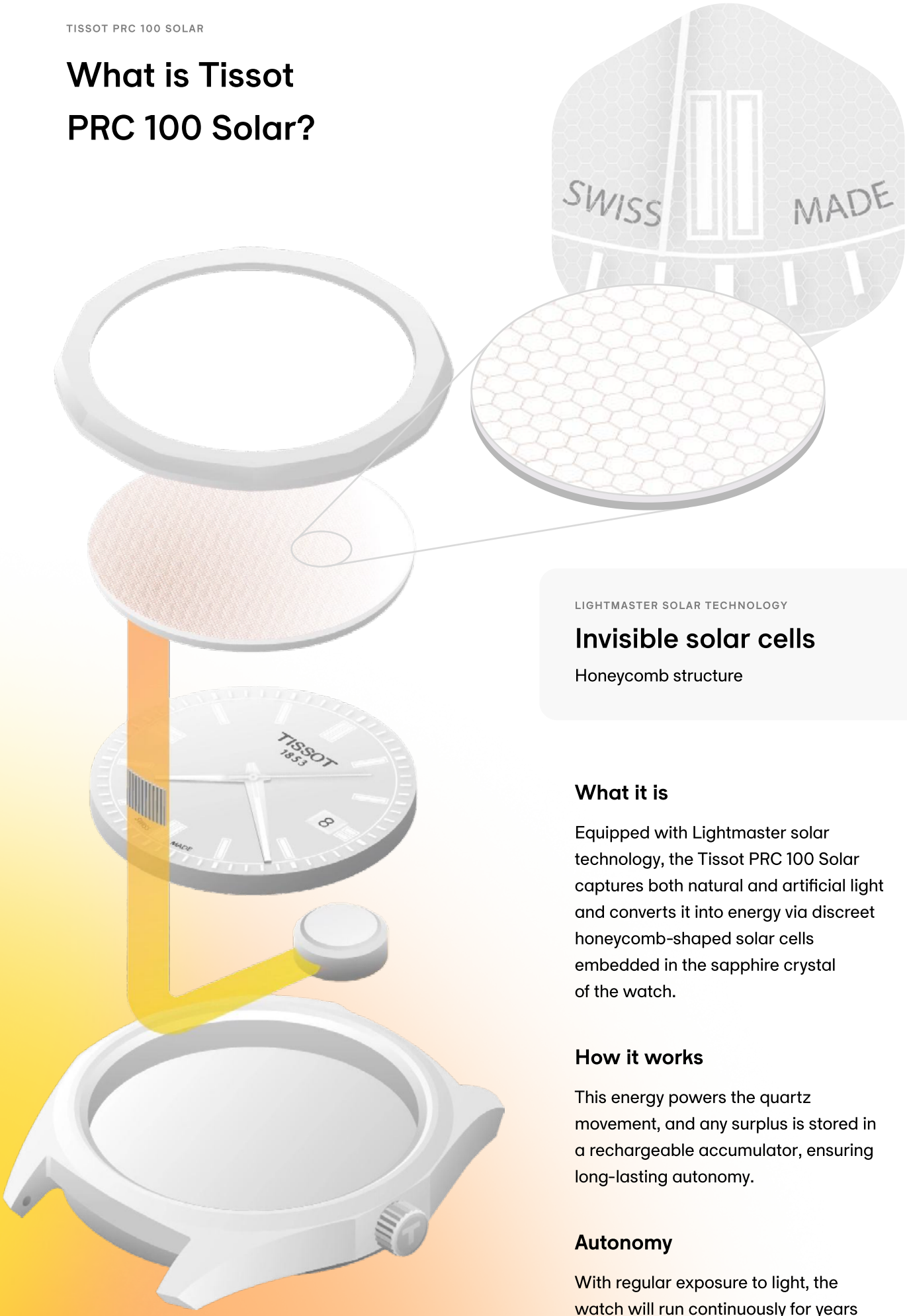
2. What is End of Energy Mode (EOE)?

3. When and How to Recharge the Watch?

4. Warranty Details

TISSOT PRC 100 SOLAR

What is Tissot PRC 100 Solar?



LIGHTMASTER SOLAR TECHNOLOGY

Invisible solar cells

Honeycomb structure

What it is

Equipped with Lightmaster solar technology, the Tissot PRC 100 Solar captures both natural and artificial light and converts it into energy via discreet honeycomb-shaped solar cells embedded in the sapphire crystal of the watch.

How it works

This energy powers the quartz movement, and any surplus is stored in a rechargeable accumulator, ensuring long-lasting autonomy.

Autonomy

With regular exposure to light, the watch will run continuously for years without interruption.

What is End of Energy Mode (EOE)?

EOE mode informs the wearer when it's time to recharge.

Should the watch receive insufficient light, the accumulator's energy level gradually decreases until the watch eventually stops.

EOE Mode Activation

A few hours before stopping, the second hand will begin moving in 4-second intervals, indicating the need to expose the watch to light (see exposure time below).

Normal Function During EOE Mode

During EOE mode, the watch continues to display the correct time and date.

Return to Normal Operation

After returning to Normal mode keep the watch exposed to light. This will prevent returning to EOE mode or stopping after a few hours.

TISSOT PRC 100 SOLAR

When and How to Charge the Watch?



In most cases, wearing the watch regularly is enough to keep it running.

However, certain situations may cause the accumulator to discharge.



GRADUAL DISCHARGE MAY BE CAUSED BY:

The amount of light received is insufficient (e.g., during winter months when daylight is limited and the watch is covered by clothing such as shirts or jackets).



GRADUAL DISCHARGE MAY BE CAUSED BY:

The watch is unused and stored in a dark place for an extended period.

Note:

If you won't use the watch for a long time, pull out the crown to stop the mechanism.

This reduces power consumption and extends the time before recharging is needed.

To restart the watch, set the correct time and date, then push the crown back to its operating position.

Light Intensity Levels Explained

Light Level (lux)	Typical Light Source	Real-World Example
700 lux	Strong indoor lighting	Well-lit office, classroom during the day
2,000 lux	Indirect daylight or very bright artificial light	Near a window on a cloudy day, photo studio lighting
5,000 lux	Moderate to direct daylight	Outdoors on a cloudy or shaded day
50,000 lux	Full sunlight	Outdoors at midday in full sun

Note:

Up to 50,000 lux, the charging time is inversely proportional to the light intensity (e.g., exposure to 10,000 lux requires about half the time compared to 5,000 lux to achieve the same charge level).

Charging Time Guidelines at 5,000 lux

Model	Condition	Exposure time	Note
PRC 100 Solar 39mm	Watch in EOE mode or stopped	80 minutes to return to normal mode and run for 24 hours in darkness	With sufficient light, the watch can exit the EOE mode in just a few minutes. It is recommended to keep exposing it afterward to achieve a higher charge level to prevent the watch from stopping again (e.g. overnight)
	Watch operating in Normal mode	10 minutes to run 24 hours in darkness	
		1 hour per day during 30 days max. to run 6 months in darkness	If achieved by the end of summer, this will allow the watch to run through fall and winter without issue
		1 hour per day during 65 days max. to achieve full accumulator charge	Once fully charged, the watch can run for 14 months in darkness (20 months with the crown pulled out)
PRC 100 Solar 34mm	Watch in EOE mode or stopped	105 minutes to return to normal mode and run for 24 hours in darkness	With sufficient light, the watch can exit the EOE mode in just a few minutes. It is recommended to keep exposing it afterward to achieve a higher charge level to prevent the watch from stopping again (e.g. overnight)
	Watch operating in Normal mode	13 minutes to run 24 hours in darkness	
		1 hour per day during 40 days max. to run 6 months in darkness	If achieved by the end of summer, this will allow the watch to run through fall and winter without issue
		1 hour per day during 90 days max. to achieve full accumulator charge	Once fully charged, the watch can run for 14 months in darkness (20 months with the crown pulled out)

How Does the Warranty Work?



2+1Y

2 years +1 year of additional guarantee specially for Lightmaster Solar Technology

All watches fitted with LIGHTMASTER Solar technology will automatically benefit from **1 extra year of warranty**, starting with the PRC 100 Solar.

Each watch will be delivered with a **printed card** confirming the additional 1-year warranty on top of the standard 2-year international warranty.

Note:

This is applicable for standard countries. If local laws require a minimum duration longer than 2 years, the extension does not apply.

Tutorial video

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