

Carbon Offset

What is Carbon Offset?

Carbon offsetting is the responsible way to compensate for the unavoidable CO₂ emissions from our daily lives and economic activities by supporting the projects that deliver the equivalent CO₂ savings elsewhere.

Star Micronics has therefore purchased Certified Emission Reductions (CERS) carbon credits derived from the Clean Development Mechanism (CDM) projects as defined by the Kyoto Protocol and registered by CDM Executive Board of UN. The carbon credits purchased will offset the CO₂ emissions emitted from the TSP100ECO manufacturing & disposal process and projected power consumption for up to 5 years (total 33.9 kg/unit).

How much CO₂ is my printer emitting?

Your printer is consuming electric power and the power company is emitting CO₂ when producing it. This means your printer is emitting CO₂ indirectly. The power consumption differs depending on your way of using your printer because it consumes power not only at printing but also when waiting print data.

The TSP100ECO printer will emit 22.0 kg of CO₂ from power consumption for 5 years under the following conditions.

- Working 365 days/year
- Printing 300 receipts /day
- Length of Receipt: 150 mm
- Paper Width: 80 mm

How much CO₂ is emitted by manufacturing and disposing the TSP100ECO?

11.9 kg of CO₂ is emitted by manufacturing and disposing the TSP100ECO printer

Is the cost of CERs (carbon credits) added to the price of TSP100ECO?

No. Star pays the whole cost of carbon offsetting.

Does this carbon offsetting contribute to my company's reduction target?

No. This carbon offsetting is not transferring carbon credits to you or your company. It contributes to global CO₂ reduction.

Can I receive the certificate?

Yes. Star issues the "Certificate of Participation" to certify your participation in the global warming prevention activity. Please download the "Certificate of Participation" Sheet, peel the Carbon Offset Sticker from your TSP100ECO and put it on the Certificate.

<http://www.futureprnt.com/carbon-offsetting/>

Can I declare my carbon offsetting on our CSR (Corporate Responsibility Social) report?

Yes. You can use the "Certificate of Participation" for your CSR report.

Please download the Certificate and peel the Carbon Offset Sticker from your TSP100ECO and put it on the Certificate.

Where do you purchase CERs?

Star purchases CERs from the carbon offset provider.

Star has already purchased 5,000 tons of CERs from the following CDM project.

<http://cdm.unfccc.int/Projects/DB/JQA1094478108.13>

Power, Paper, Packaging

How is power conserved?

Inspired by the Cheetah, nature's greatest exponent of energy efficiency, the TSP100ECO uses up to 40% less power than the majority of competitive printers available today. Star's new power efficient method means that the printer can revert with the PC to a very low powered standby mode when not in use, "instantly" waking up when needed saving costs and power usage.

The clever engineers at Star have designed the TSP100ECO to correspond directly to the PC it has been attached to. Users will first of all notice that there is no power switch and that the printer can only be turned on by actually attaching the included USB cable to the printer and PC / terminal. The printer will only activate when the PC / terminal is powered up otherwise it can remain in standby mode, thus saving power. Most POS printers spend the major part of a day drawing current, but not printing. Star's new power efficient method means the printer will revert with the PC to a very low powered standby mode when not in use, "instantly" waking up when needed saving costs and power usage. The TSP100ECO is fully Energy Star compliant

How is paper saved?

Star has put in place unique paper saving features that could help the retailer use up to 70% less receipt paper. This not only reduces paper costs but means less frequent paper roll changes, lower transportation and logistics costs.

Unique 3mm default top margin

Star's innovative engineering expertise has resulted in the TSP100 ECO being the only partial cut printer able to achieve a 3mm Top Margin, saving 8mm of paper for every receipt printed. Just calculate the savings yourself. Some competitors cannot even achieve an 11mm Top Margin. Retailers should check this very carefully when comparing competitive POS printers.

80mm to 58mm Auto Reduction

The TSP100 ECO can automatically reduce receipts from an 80mm wide format to 58mm without changing the customer's original software set-up. Simply tick the required paper reduction in the TSP100ECO futurePRNT software and you can choose whether to reduce the receipt vertically to 50% or horizontally to 67% or both.

Receipts on Demand Printing

Star has used the clever futurePRNT software to produce an Operator Prompt to ask the customer whether they need a receipt or not. The receipt can then be either cancelled or printed, perfect for low cost, consumable items such as newspapers, fast food etc. as the receipts are often left behind. All cancelled receipts can be saved graphically and be reviewed or reprinted.

(Note: Not all countries will allow this feature so the software may be modified on a regional basis).

What is the packaging made of?

Star has endeavoured to build this printer with every ECO advantage. Star has eliminated all polystyrene from the ECO box and replaced it with innovative cardboard recycled and recyclable packaging. Even the printer's plastic case is made of halogen-free recyclable plastic.