



SG110CX

Efficiency Curve

SUNGROW

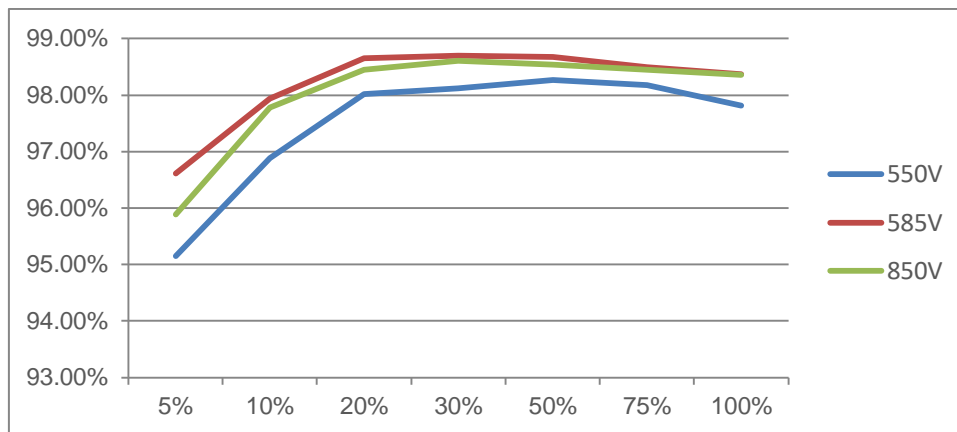
1. Introduction

This document describes the efficiency profile of SG110CX, which is given for the minimum MPP voltage, the rated input voltage and the maximum MPP voltage.

The European Efficiency is calculated by: $\eta_{EU} = (0.03 \times \eta_{5\%}) + (0.06 \times \eta_{10\%}) + (0.13 \times \eta_{20\%}) + (0.1 \times \eta_{30\%}) + (0.48 \times \eta_{50\%}) + (0.2 \times \eta_{100\%})$

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2. SG110CX Efficiency Curve



Maximum efficiency, η_{max} 98.7%

European efficiency, η_{EU} 98.5%

Operating V	5%	10%	20%	30%	50%	75%	100%
Vdc=550V	95.15%	96.88%	98.01%	98.12%	98.26%	98.17%	97.81%
Vdc=585V	96.61%	97.94%	98.65%	98.70%	98.67%	98.49%	98.37%
Vdc=850V	95.88%	97.78%	98.45%	98.61%	98.54%	98.44%	98.36%