

<b>STN</b>	<b>Fotovoltaické súčiastky Postupy pri korekcii nameraných I-V charakteristík na teplotu a intenzitu ožiarenia Oprava AC</b>	<b>STN EN IEC 60891/AC</b>  36 4601
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Photovoltaic devices - Procedures for temperature and irradiance corrections to measured I-V characteristics

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/24

Obsahuje: EN IEC 60891:2021/AC:2024, IEC 60891:2021/COR1:2024

**139746**

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Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2025  
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii  
v znení neskorších predpisov.

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN IEC 60891:2021/AC:2024-  
11**

November 2024

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ICS 27.160

English Version

**Photovoltaic devices - Procedures for temperature and  
irradiance corrections to measured I-V characteristics  
(IEC 60891:2021/COR1:2024)**

Dispositifs photovoltaïques - Procédures pour les  
corrections en fonction de la température et de l'éclairement  
à appliquer aux caractéristiques I-V mesurées  
(IEC 60891:2021/COR1:2024)

Photovoltaische Einrichtungen - Verfahren zur Umrechnung  
von gemessenen Strom-Spannungs-Kennlinien auf andere  
Temperaturen und Bestrahlungsstärken  
(IEC 60891:2021/COR1:2024)

This corrigendum becomes effective on 1 November 2024 for incorporation in the English language version of the EN.



European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

### **Endorsement notice**

The text of the corrigendum IEC 60891:2021/COR1:2024 was approved by CENELEC as EN IEC 60891:2021/AC:2024-11 without any modification.

IEC 60891:2021/COR1:2024  
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INTERNATIONAL ELECTROTECHNICAL COMMISSION  
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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**IEC 60891**  
Edition 3.0 2021-10

**PHOTOVOLTAIC DEVICES – PROCEDURES  
FOR TEMPERATURE AND IRRADIANCE  
CORRECTIONS TO MEASURED I-V  
CHARACTERISTICS**

**IEC 60891**  
Édition 3.0 2021-10

**DISPOSITIFS PHOTOVOLTAÏQUES –  
PROCÉDURES POUR LES CORRECTIONS EN  
FONCTION DE LA TEMPÉRATURE ET DE  
L'ÉCLAIREMENT À APPLIQUER AUX  
CARACTÉRISTIQUES I-V MESURÉES**

## **C O R R I G E N D U M 1**

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

*Replace the existing second item in the dashed list in 5.1 by the following:*

Relative temperature coefficients ( $\alpha_{rel}$ ,  $\beta_{rel}$  and  $\delta_{rel}$ ) expressed in percentage per unit temperature (%/K or %/°C) can be determined by dividing the calculated value of temperature coefficients  $\alpha$ ,  $\beta$ , and  $\delta$  by the values of short-circuit current, open-circuit voltage and maximum power respectively determined from the least squares fit at 25 °C corresponding to an irradiance of 1 000 W/m<sup>2</sup>. The relative coefficients so determined are valid at the irradiance and spectrum at which the measurements were made. For linear PV devices with respect to irradiance (typically the case for c-Si), the relative temperature coefficient  $\alpha_{rel}$  is valid over the entire range of irradiance for which the device is linear according to IEC 60904-10, whereas the relative temperature coefficient  $\beta_{rel}$  scales with  $f^2(G)$  (see Formula (7)).