

# IGBT, FRD

## How to install PLECS IGBT/FRD model

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### Introduction

This document shows how to install PLECS models of IGBT and FRD products.

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## 1. Setup model files

### 1.1 Extracting zip file

Create a folder for storing models (e.g., PLECSmodel folder) as shown in Fig. 1-1, and unzip the downloaded zip file.

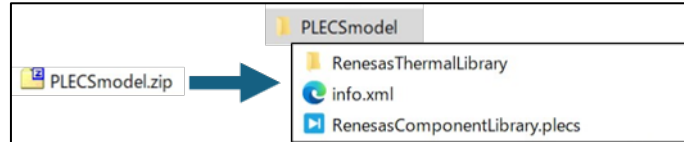


Figure 1-1

## 2. PLECS Preference

### 2.1 PLECS Preferences Window

Start PLECS and from the Library Browser menu, select File → PLECS Preferences... to open the window (Fig. 2-1).

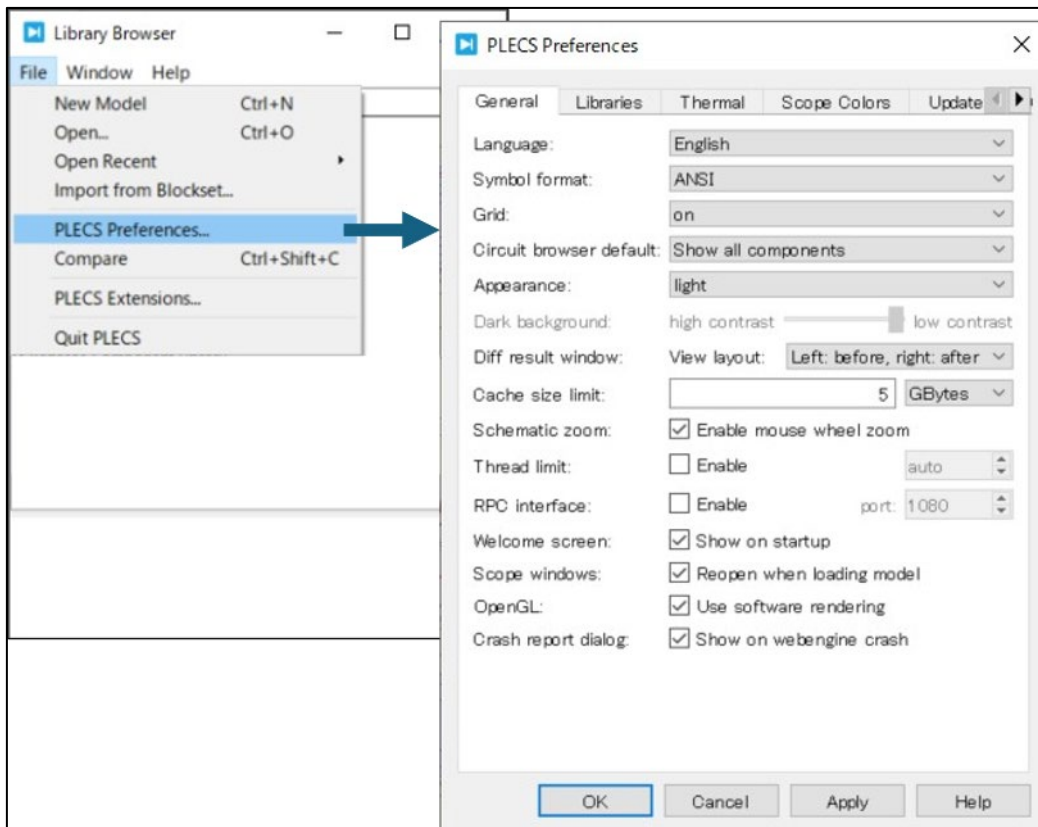


Figure 2-1 PLECS Preferences

## 2.2 Setting up thermal search path

- Select the "Thermal" tab in the "PLECS Preferences" window and click the "+" button on the left.
- In the Select Folder window, select the folder that contains the model (e.g., PLECSmodel folder) (Figure 2-2)

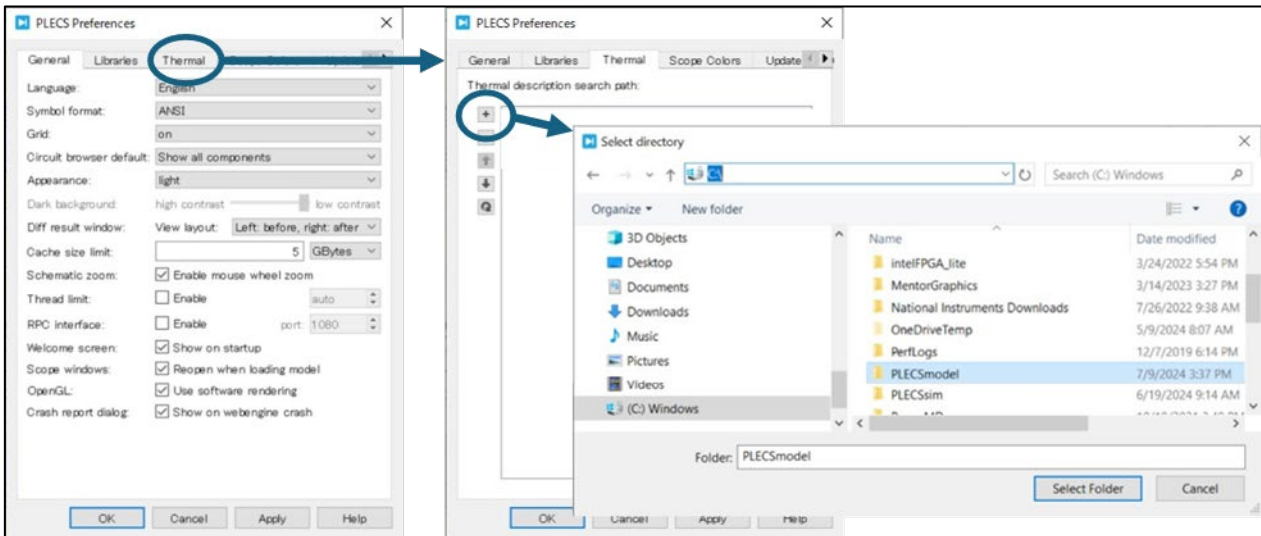


Figure 2-2 Setting up thermal search path

Press the "Select Folder" button to add the folder path to the thermal settings search path, as shown in Figure 2-3. Once the folder has been added, press the "OK" button to close the PLECS Settings window.

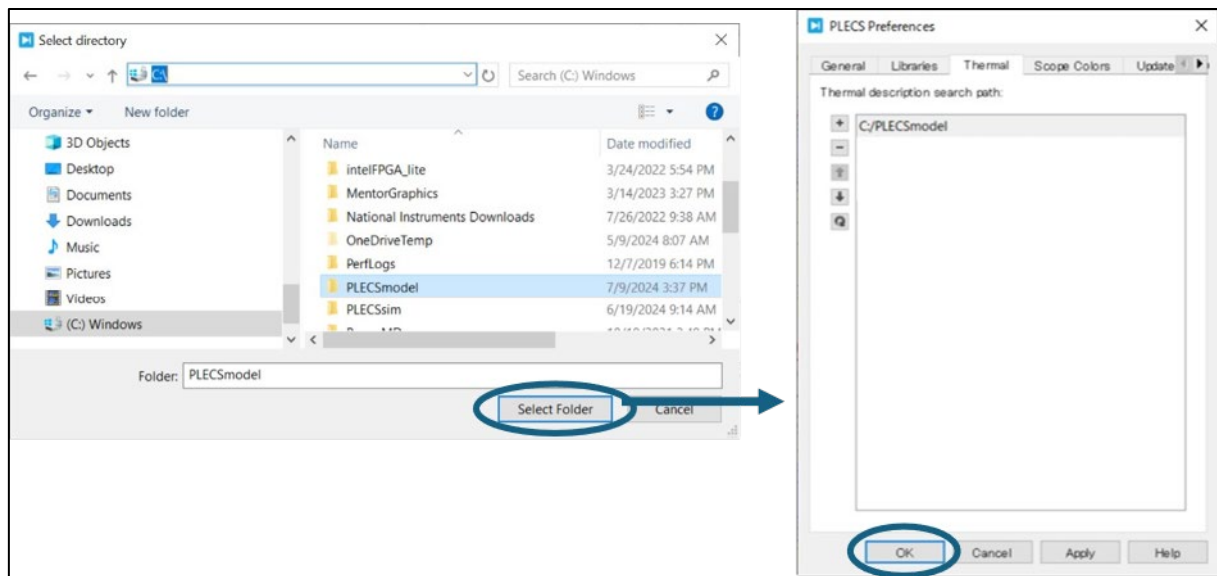


Figure 2-3 Add thermal search path

### 3. Confirmation of added items

#### 3.1 Library Browser

After successful installation, "Renesas Component - date" will be added to the library browser, and the product model will be added to the subcategory.

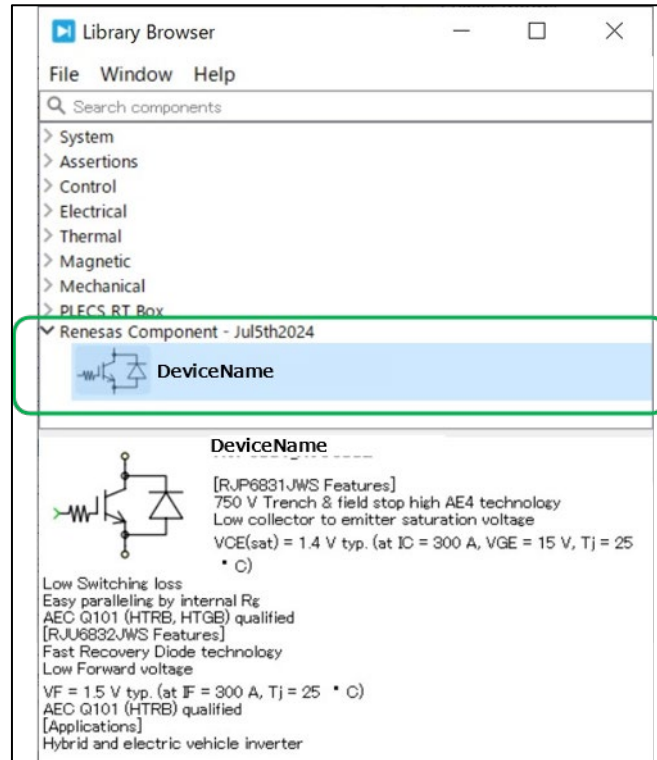


Figure 3-1 Library Browser

## Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jul.17.24	-	First edition

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