

Welcome to our “e-REW Express”. HK Electric rolled out a new web-based interactive tool “Smart Guide for Design of Electrical Installation” (the tool) to help customers and electrical trade obtain necessary information on interface requirements and visualise some common departures at any time via a few clicks. In this issue of “e-REW Express”, we will briefly introduce the features of the tool to you.

If you have any suggestions, please send an email to us via mail@hkelectric.com or contact our Customer Installation Department on 2887 3455.

New Web-based Interactive Tool

“Smart Guide for Design of Electrical Installation”

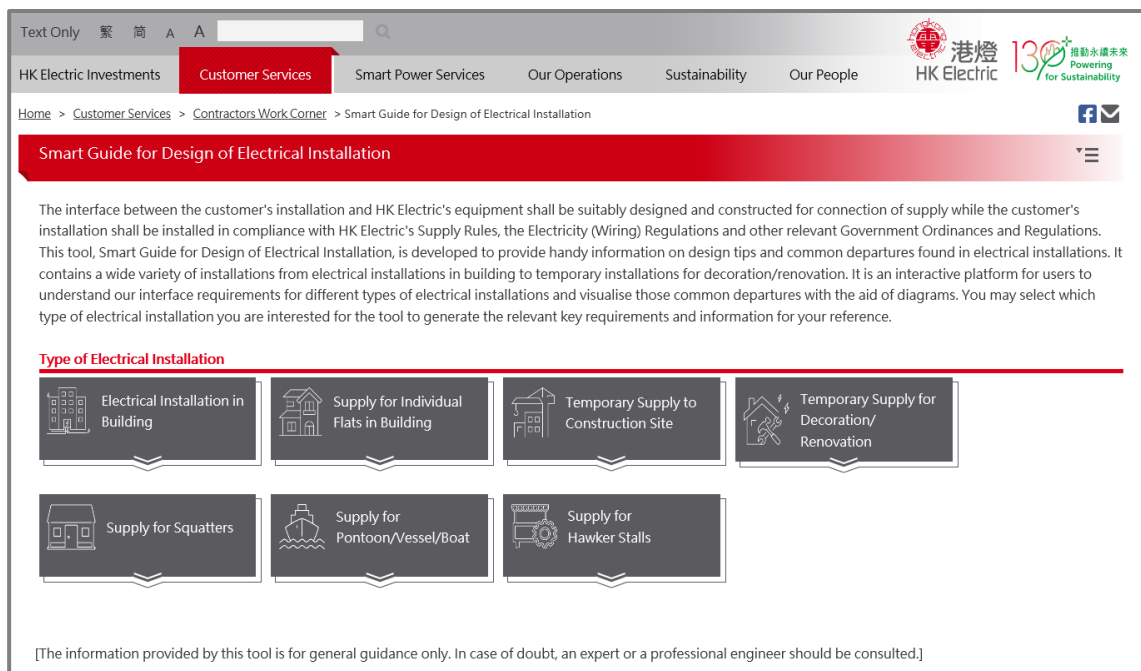
1. Purpose of the Tool

The interface between the customer's installation and HK Electric's equipment shall be suitably designed and constructed for connection of supply while the customer's installation shall be installed in compliance with HK Electric's Supply Rules, the Electricity (Wiring) Regulations and other relevant Government Ordinances and Regulations.

“Smart Guide for Design of Electrical Installation” (the tool) is developed to provide handy information on design tips and common departures found in electrical installations. You may access the tool via the weblink [here](#).

2. Coverage of the Tool

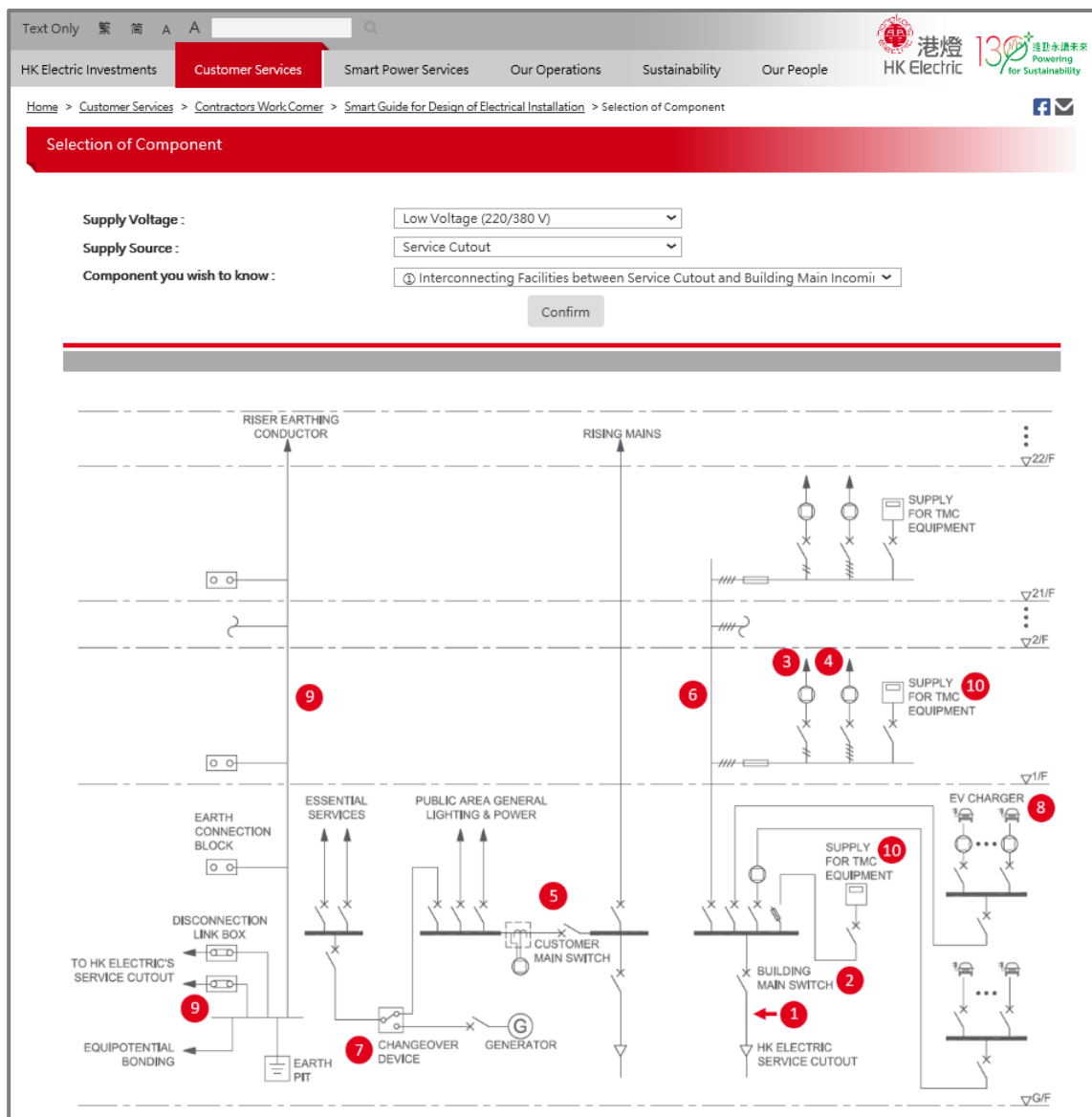
The tool covers seven types of installations: Electrical Installation in Building, Supply for Individual Flats in Building, Temporary Supply to Construction Site, Temporary Supply for Decoration / Renovation, Supply for Squatters, Supply for Pontoon / Vessel / Boat, and Supply for Hawker Stalls. The landing webpage of the tool for the selection of the relevant type of electrical installation is shown below.



3. Interactive Platform to Understand Interface Requirements

The tool is an interactive platform for users to understand our interface requirements for different types of electrical installations.

Depending on the type of electrical installation you select, a typical schematic wiring diagram will be displayed to guide you which major electrical components you want to further examine.



4. Visualisation of Technical Requirements and Common Departures for Electrical Design / Installation

After selecting the equipment that you want to investigate, the technical requirements related to the design / installation of that equipment will be popped out immediately. You can also easily visualize common departures for the design / installation of that equipment with aids of diagrams.

The screenshot shows a web interface for HK Electric. The breadcrumb trail is: Home > Customer Services > Contractors Work Corner > Smart Guide for Design of Electrical Installation > Detail. The page title is "Detail".

Selected Supply Voltage : Low Voltage (220/380 V)
 Selected Supply Source : Service Cutout
 Selected Component : @ Building Main Incoming Switch

1. Switchgear/circuit breakers connected directly to HK Electric service cutout shall have short-circuit breaking capacity of 40 kA at low voltage. ✓

U _i 800 V	U _{imp} 8 kV
U _e (V)	I _{cu} (kA) I _{cs}
240	90 90
415	50 50
440	50 50
500	36 36
525	35 35
690	10 10

Common Departure ✗

Switchgear/circuit breakers connected directly to HK Electric service cutout have short-circuit breaking capacity of less than 40 kA at low voltage.

U _i 800 V	U _{imp} 8kV
U _e (V)	I _{cu} (kA) I _{cs}
240	40 40
415	25 25
440	20 20
500	15 7
525	-
690	-

In case you have any suggestions and require further assistance for the design / implementation of your electrical installation, you are welcomed to approach us for technical advice via our customer services hotline, email or fax.