

Electric Vehicles (EVs) Charging Infrastructure Provision

1. In line with Singapore’s vision for all vehicles to run on cleaner energy by 2040 and to future-proof new developments, applications submitted under the CBDI and SDI Schemes are required to have both active and passive provision of EV charging points within the development.
2. Active provision refers to charging points that are fully wired and ready for use by EVs. Passive provision refers to catering of sufficient electrical power at the consumer switch room(s) and/or substation(s) to allow more chargers to be installed and activated easily when demand increases in future. The requirements will be updated from time to time and the proposals are to comply with prevailing requirements. As a start, the developer is to ensure at least 15% of the total car park lots can minimally support 3-Phase AC Type 2 chargers with power output of 7kW per charging point (i.e. passive provision), of which at least 1% must be installed with EV charging points (i.e. active provision).
3. For active provision, the developer shall indicate the location, number, and type of chargers to be installed for LTA’s approval at the plan submission stage. At the CSC stage, LTA will verify that the minimum active provision as approved has been made and is ready for use by EVs. For passive provision, the developer shall submit a declaration (with supporting documents) to LTA at the plan submission stage on the following using the submission template below:
 - a) Total number of lots with active and passive provision, and total number of lots.
 - b) Total electrical load required for lots with active and passive provision.
 - c) Electrical load required from the rest of the development.
 - d) Approved total electrical load from Singapore Power (SP) Group.

TEMPLATE FOR SUBMISSION FOR ACTIVE AND PASSIVE PROVISION OF ELECTRIC VEHICLE CHARGING POINTS

**DECLARATION OF
PROVISION OF ELECTRIC VEHICLE CHARGING POINTS**

Please ensure that all sections marked in asterisk (*) are completed, and all necessary supporting documents are provided, when submitting this declaration.

* (I) Total number of car park lots with active and passive provision of electric vehicle charging points (EVCPs)

(A) Total number of car park lots in development	
(B) Total number of car park lots catered for active EVCPs (active provisioning) [minimum 1% of (A)]	
(C) Total number of car park lots identified for future EVCPs (passive provisioning) [minimum	

14% of (A)]	
-------------	--

Note: The developer shall provide an accompanying proposal and plan for the provision of parking places and parking lots on the land which shall indicate the car park lots with active EVCPs and the indicative car-park lots identified for future installation of EVCPs.

* (II) Electrical load required

(A) Total electrical load required for the development [in kVA]	
(B) Total electrical load required for EVCPs (for both active and passive provision) [in kVA]	

Note: The developer shall provide, together with this declaration, the Single Line Diagram (SLD) for the development supported by the development's Licensed Electrical Worker (LEW), indicating clearly the active and passive provisions of EVCPs.

* (III) Official document(s) indicating the approved electrical load from SP Power Grid (please append soft copy or scanned copy in the box below)

--

(IV) Clarifications / Remarks (if any)

***(V) Declaration of Submission (please acknowledge and ensure that all boxes are checked)**

(A) As the Developer's authorised representative, I hereby declare and confirm all of the following, by signing on this declaration form and submitting the same to LTA: -

(i) I am authorised to make and submit this declaration on behalf of the Developer;

(ii) All of the information provided in this declaration form, as well as all of the necessary supporting documents submitted to LTA, are true, accurate, and complete to the best of the Developer's knowledge, belief and efforts; and

(iii) I have appended all necessary supporting documents as required by LTA for the purposes of this submission.

Signed by:

Authorized Signatory
Developer

Notes:

1. The developer shall size up the EVCP provision to ensure that at least 15% of the car park lots can minimally support 3-Phase AC Type 2 chargers with power output of 7kW per charging point.
2. Active provision refers to charging points that are fully wired and ready for use by EVs. The developer shall make active provision for at least 1% of total car park lots in the development.
3. Passive provision refers to catering of sufficient electrical power at the consumer switch room(s) and/or substation(s) to allow more EVCPs to be installed and activated easily when demand increases in future. The passive provision shall make good the shortfall that is not met by active provision up to a total of 15% of the car park lots.
4. If the developer intends to install EVCPs with power rating above 7kW, the active provision requirement can be scaled down proportionally, subject to a minimum provision of at least 1 lot. See worked example below.

Worked example for a 400-lot development

Power output of chargers	Minimum active provision required (car park lots)
7kW	4
22kW	2
43kW	1
50kW	1