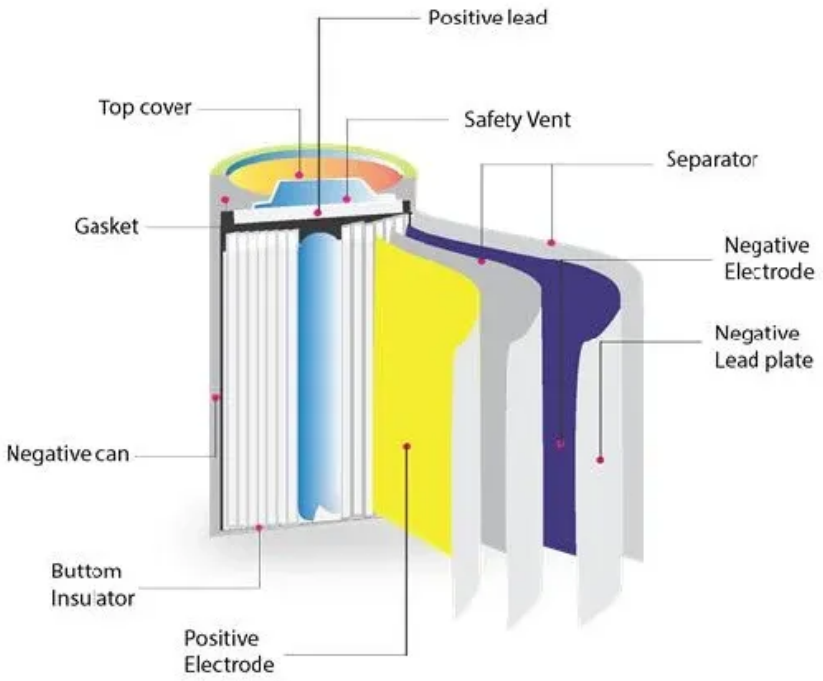
SolarInnovate Energy Solutions

# Electricity fee collection standards for communication base stations



## Overview

What ICC standards are used in efcapi?

Referenced base standards - EN ISO 14906 (EFCAPI) - ISO 7816 suite (contactcard) - ISO 14443 suite (contactlesscard) - ENV 14062 suite (EFC using ICC) - EN 1545 suite (surface transport applications - data elements) 29 CEN/TC278/WG1 & ISO/TC204/WG5 –Electronic FeeCollection 2.6) EFC ICC standards (14062 suite).

Who coordinates EFC standardization?

Coordination of EFC standardization : ISO/TC 204/WG 5 and CEN/TC 278/WG 1 Frédérique Rigah, WG5/WG1 secretary T +33 1 60 52 32 49 frederique.rigah@cerema.fr CEN/TC278/WG1 Electronic fee collection & ISO/TC204/WG5 Fee and Toll Collection Title PowerPoint Presentation Created Date 7/10/2020 2:59:42 PM.

What are the different types of EFC standards?

1. Introduction to standards 2. Introduction into EFC-related standards 1. Scope, principles and use 2. System architecture 3. DSRC-based EFC 4. Autonomous-based EFC 5. Info exchanges between Toll Charger and Service Provider 6. Integrated circuits cards (ICC)-related standards 7. Security 8.

What is the impact of base stations?

The impact of the Base Stations comes from the combination of the power consumption of the equipment itself (up to 1500 Watts for a nowadays macro base station) multiplied by the number of deployed sites in a commercial network (e.g. more than 12000 in UK for a single operator).

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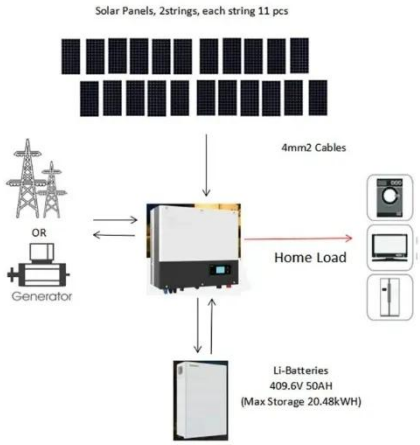


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