

## A-Core Container

# Energy storage battery carbon standards



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## Overview

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This document offers a curated overview of the relevant codes and standards (C+S) governing the safe deployment of utility-scale battery energy storage systems in the United States.

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The topic of greenhouse gas (GHG) emissions accounting for battery energy storage systems (BESS) is relatively new and so has not yet been thoroughly addressed by existing organization-level GHG emissions reporting guidance. This EPRI Technical Brief provides an overview of beneficial applications.

age systems for uninterruptible power supplies and other battery backup systems. There are several ESS technologies and additional Codes and Standards cited to cover those specific technologies. For the sake of brevity, electrochemical technologies will be the primary focus of this paper due to being.

75 gigawatts of additional deployments between 2023 and 2027 across all market segments,<sup>1</sup> with approximately 95% of current projects using Li ion battery technology.<sup>2</sup> Incidents involving fire or explosion are quite rare, with the EPRI Battery Energy Storage System (BESS) Failure Event Database<sup>3</sup>.

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