



# Self-discharge of zinc-manganese flow battery





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### [Difference between 'cls' and 'self' in Python classes?](#)

Why is cls sometimes used instead of self as an argument in Python classes? For example: `class Person: def __init__(self, firstname, lastname): self.rstname = firstname self.`

### oop

In this case, there are some benefits to allowing this: 1) Methods are just functions that happen defined in a class, and need to be callable either as bound methods with implicit ...



### [When to use self, & self, & mut self in methods?](#)

Self is an alias for the type that the impl block is for. The rules of ownership and borrowing apply to self as they apply to any other parameter (see e.g. this answer). Examples ...

### [How to type annotate a method that returns self?](#)

This is also relevant for special methods, for example `__enter__` traditionally returns self, so it would be nice to have a way to specify this



without needing to even mention it in ...



### What's the difference between self and Self?

Self is the type of the current object. It may appear either in a trait or an impl, but appears most often in trait where it is a stand-in for whatever type will end up implementing the ...

### When do you use 'self' in Python?

Are you supposed to use self when referencing a member function in Python (within the same module)? More generally, I was wondering when it is required to use self, not ...



### What is the purpose of the `self` parameter? Why is it needed?

For a language-agnostic consideration of the design decision, see What is the advantage of having this/self pointer mandatory explicit?. To close debugging questions where OP omitted a ...





## sql

A self join is a join of a table with itself. A common use case is when the table stores entities (records) which have a hierarchical relationship between them.



## [Python class methods: when is self not needed](#)

17 What is self? In Python, every normal method is forced to accept a parameter commonly named self. This is an instance of class - an object. This is how Python methods ...

## **Why do I get "TypeError: Missing 1 required positional argument: ..."**

See Why do I get 'takes exactly 1 argument (2 given)' when trying to call a method? for the opposite problem.





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