ADS V4
User's Manual
Part VI
Battery Dataset

Rev A

September 02, 2021

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1. Introduction

1.1. The root node Batteries

The Battery dataset is created from the root node **Batteries**

Contextual Menu :	
Right click :	
New Battery	To create a new Battery dataset in the current session
Open Battery	To load a Battery dataset in the current session
Duplicate Battery	To duplicate a Battery dataset and load it in the current session

Several Battery datasets may be loaded in the same session

1 ...	The Battery datasets that will be loaded in the current session
2 ...	
3 ...	
4 ...	

1.2. To Create a new battery dataset in the current session

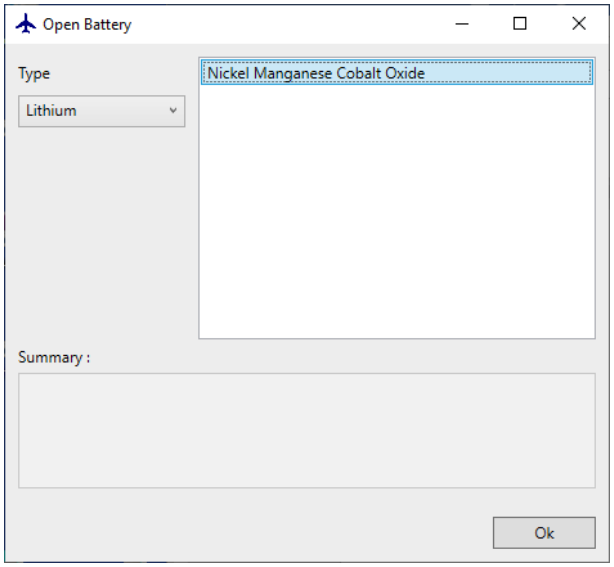
Commands :	
Right click :	
New Battery	To create a new Battery dataset in the current session

1. Enter
    a) The name of the Type (Lithium)
    b) The name of the Subtype (Nickel Manganese Cobalt Oxide)
2. Click on OK

The New Battery dataset is displayed in the TreeView

1.3. To Load a battery dataset in the current session

Commands :	
Right click :	
Open Battery	To load a Battery dataset in the current session



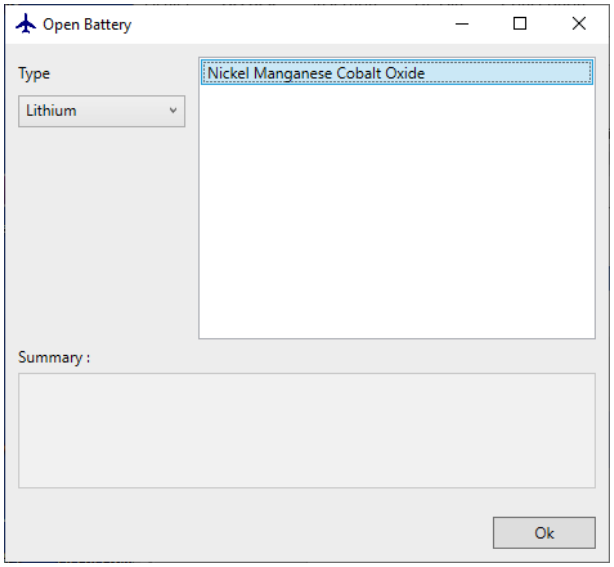
1. Select
   a) Type

   to filter the list
2. Double click on the name of the Battery dataset **or** click on the name then click on OK

The selected Battery dataset is displayed in the TreeView

1.4. To duplicate a battery dataset and load it in the current session

Commands :	
Right click :	
Duplicate Battery	To duplicate a Battery dataset and load it in the current session



1. Select
   a) Type

   to filter the list
2. Double click on the name of the Battery dataset **or** click on the name then click on OK

One copy of the selected Batery dataset is displayed in the TreeView

2. Description

Root branch of the current dataset. The header is the concatenation of the Group Name and the Grade.

Properties :		
General	Reference	Lithium-Nickel Manganese Cobalt Oxide
	Type	Lithium
	Subtype	Nickel Manganese Cobalt Oxide
Electrical Properties	Capacity	Capacity is the amount of electric charge that a battery can deliver at the nominal voltage
	Capacity Rate	Capacity Rate is a measure of how quickly the battery is charged or discharged relative to its maximum capacity
	Capacity Rate (Mx)	Capacity Rate (Mx)
	Specific Energy	Specific Energy
	Specific Power	Specific Power
	Voltage	Nominal Voltage
Pricing	Price	List Price-to-Energy ratio
	Year of reference	Year of reference

Commands :		
Right click :		
Duplicate		To duplicate the current dataset
Remove		To remove the current dataset from the current session
Save		To save the current dataset
Save As		To save the current dataset and change its name