

Meter values tab test plan: [DMS-31137](#) , [Figma](#)

Date: 23\05\2024

Created by: Shir Hakim

Testing Sprint: 53

Version: release-7.30

Estimated testing time: 5 Days

1. **General and basic**

1.1. **Path:** smartChain table view > connector sidePanel > Meter values tab

1.2. **Tab title:** Meter values

1.3. **Default view:**

1.3.1. AC connector

1.3.1.1. Filters

1.3.1.1.1. Time picker

1.3.1.1.1.1. Today 00:00-23:59

1.3.1.1.1.2. Auto refresh every 10 seconds

1.3.1.1.2. Connector: chargerName / connectorId

1.3.1.1.3. Phase: Overall

1.3.1.1.4. Unit of measure: A

1.3.1.1.5. Metric:

1.3.1.1.5.1. Tx. Profile

1.3.1.1.5.2. CURRENT.IMPORT

1.3.1.2. Graph

1.3.1.2.1. X axis: A

1.3.1.2.2. Element picker:

1.3.1.2.2.1. Tx. Profile

1.3.1.2.2.2. CURRENT.IMPORT

1.3.2. DC connector

1.3.2.1. Filters

1.3.2.1.1. Timer picker

1.3.2.1.1.1. Today 00:00-23:59

1.3.2.1.1.2. Auto refresh every 10 seconds

1.3.2.1.2. Connector: chargerName / connectorId

1.3.2.1.3. Phase: Overall

1.3.2.1.3.1. Other phases are disabled

1.3.2.1.4. Unit of measure: W

1.3.2.1.5. Metric:

1.3.2.1.5.1. Tx. Profile

1.3.2.1.5.2. POWER.ACTIVE.IMPORT

1.3.2.2. Graph

1.3.2.2.1. X axis: kW

- 1.3.2.2.2. Element picker
 - 1.3.2.2.2.1. Tx. Profile
 - 1.3.2.2.2.2. POWER.ACTIVE.IMPORT

1.4. Filters:

- 1.4.1. Change in top filter affect the filters below
- 1.4.2. Generate new API
 - 1.4.2.1. Change in the time picker
 - 1.4.2.1.1. Today time: Auto refresh every 10 seconds
 - 1.4.2.1.2. Historical time: No auto refresh
 - 1.4.2.2. Change in the Connector picker
- 1.4.3. Fallback
 - 1.4.3.1. Fallback used in case the default isn't available
 - 1.4.3.2. Both AC\DC
 - 1.4.3.2.1. Time
 - 1.4.3.2.1.1. Today 00:00-23:59
 - 1.4.3.2.1.2. Auto refresh every 10 seconds
 - 1.4.3.2.2. Unit of measure: Wh
 - 1.4.3.2.3. Phase: Overall
 - 1.4.3.2.4. Metric: Energy.Active.Import.register
- 1.4.4. No data
 - 1.4.4.1. No data state display in case the fallback is empty
 - 1.4.4.2. Filters available according to the response
- 1.4.5. Loader: Display in case response time is >1 seconds
- 1.4.6. Failed
 - 1.4.6.1. Timeout: response is >10 seconds
 - 1.4.6.2. Error in response

1.5. Tooltip

- 1.5.1. Display on hovering
- 1.5.2. Design as in the Live tab tooltip
- 1.5.3. Tooltip values:
 - 1.5.3.1. Time (on top)
 - 1.5.3.2. TxProfile (above the metrics)
 - 1.5.3.2.1. In case there is not TxProfile it should not displaying
 - 1.5.3.3. Metric names
 - 1.5.3.4. Colors
 - 1.5.3.5. Values
- 1.5.4. If element select check box = FALSE metrics not display in the tooltip

2. Filters

2.1. collapsible

2.2. Time picker

- 2.2.1. From
 - 2.2.1.1. Displaying browser time zone
 - 2.2.1.2. Max selection is 24 hours

- 2.2.1.2.1. If selected >24 hours: the range changed to 24 hours
 - 2.2.1.2.1.1. Toss: "Invalid time selection. Maximal range is 24 hours"
 - 2.2.2. To
 - 2.2.2.1. Displaying browser time zone
 - 2.2.2.2. Max selection is 24 hours
 - 2.2.2.2.1. If selected >24 hours: the range changed to 24 hours
 - 2.2.2.2.1.1. Toss: "Invalid time selection. Maximal range is 24 hours"
- 2.3. Connector: search filed
 - 2.3.1. Title: chargerName connectorId
 - 2.3.2. Search
 - 2.3.2.1. Only connectors that related to the topology
 - 2.3.2.2. Auto complete
- 2.4. Phase
 - 2.4.1. AC connector
 - 2.4.1.1. Only exists phases in the response are enabled
 - 2.4.1.2. Available phases:
 - 2.4.1.2.1. Overall
 - 2.4.1.2.2. L1
 - 2.4.1.2.3. L2
 - 2.4.1.2.4. L3
 - 2.4.2. DC connector
 - 2.4.2.1. Available phases: Overall
- 2.5. Unit of measure
 - 2.5.1. Only exists unit in the response are enabled
 - 2.5.2. Available unit:
 - 2.5.2.1. A
 - 2.5.2.2. W
 - 2.5.2.3. Wh
 - 2.5.2.4. V
 - 2.5.2.5. %
 - 2.5.2.6. Other
- 2.6. Metric
 - 2.6.1. Only exists measurements in the response are enabled
 - 2.6.2. Metric sort by ASC
 - 2.6.3. TxProfile
 - 2.6.3.1. Available according to the A\W selected unit
 - 2.6.3.2. If TxProfile in not in the selected unit the TxProfile is not display
 - 2.6.3.3. TxProfile is not display for the unit:
 - 2.6.3.3.1. Wh
 - 2.6.3.3.2. V
 - 2.6.3.3.3. %
 - 2.6.3.3.4. Other
 - 2.6.4. Multiple\Single selection

- 2.6.4.1. Multiple:
 - 2.6.4.1.1. Check box button display
 - 2.6.4.1.2. Only metrics with the same unit
 - 2.6.4.1.2.1. A
 - 2.6.4.1.2.2. W
 - 2.6.4.1.2.3. Wh
 - 2.6.4.1.2.4. V
 - 2.6.4.1.2.5. %
- 2.6.4.2. Single
 - 2.6.4.2.1. For the 'Other' unit only single select is available

3. **Graph**

- 3.1. Title: chargerName / connectorId
- 3.2. X axis: According to the selected unit
- 3.3. Y axis:
 - 3.3.1. Displaying browser time zone
 - 3.3.2. display the time range selected in the filter
- 3.4. Time view picker:
 - 3.4.1. Default displaying the time range selected in the filter
 - 3.4.2. Max range is 24 hours
 - 3.4.3. Displaying browser time zone
 - 3.4.4. If selected >24 hours: the range changed to 24 hours
 - 3.4.5. Toss: "Invalid time selection. Maximal range is 24 hours"
 - 3.4.6. Only hours in the time view picker
- 3.5. Element picker
 - 3.5.1. Title: The selected phase from the filter
 - 3.5.2. Metrics
 - 3.5.2.1. Selected metrics display with check box buttons
 - 3.5.2.1.1. If check box button = TRUE: metrics display in the graph
 - 3.5.2.1.2. If check box button = FALSE: metrics not display in the graph
 - 3.5.2.2. Colors:
 - 3.5.2.2.1. #FFB316
 - 3.5.2.2.1.1. TxProfile = A\W
 - 3.5.2.2.2. #8CE9FF
 - 3.5.2.2.2.1. ENERGY_ACTIVE_IMPORT_REGISTER = Wh
 - 3.5.2.2.2.2. CURRENT_EXPORT = A
 - 3.5.2.2.2.3. ENERGY_ACTIVE_NET = Wh
 - 3.5.2.2.3. #2AC8ED
 - 3.5.2.2.3.1. POWER_ACTIVE_EXPORT = W
 - 3.5.2.2.3.2. POWER_ACTIVE_IMPORT = W
 - 3.5.2.2.3.3. POWER_REACTIVE_EXPORT = VAR
 - 3.5.2.2.3.4. POWER_REACTIVE_IMPORT = VAR
 - 3.5.2.2.4. #0D95B5

- 3.5.2.2.4.1. ENERGY_ACTIVE_EXPORT_INTERVAL = Wh
- 3.5.2.2.4.2. ENERGY_ACTIVE_IMPORT_INTERVAL = Wh
- 3.5.2.2.4.3. FREQUENCY = Hz
- 3.5.2.2.4.4. CURRENT_OFFERED = A
- 3.5.2.2.4.5. POWER_OFFERED = W
- 3.5.2.2.5. #4343A2
 - 3.5.2.2.5.1. ENERGY_REACTIVE_EXPORT_REGISTER = VARh
 - 3.5.2.2.5.2. ENERGY_REACTIVE_IMPORT_REGISTER = VARh
 - 3.5.2.2.5.3. ENERGY_REACTIVE_EXPORT_INTERVAL = VARh
 - 3.5.2.2.5.4. ENERGY_REACTIVE_IMPORT_INTERVAL = VARh
 - 3.5.2.2.5.5. ENERGY_REACTIVE_NET = Other
 - 3.5.2.2.5.6. ENERGY_APPARENT_NET = Other
 - 3.5.2.2.5.7. ENERGY_APPARENT_IMPORT = Other
 - 3.5.2.2.5.8. ENERGY_APPARENT_EXPORT = Other
- 3.5.2.2.6. #6DDoE7
 - 3.5.2.2.6.1. REQUESTED_ENERGY = Wh
- 3.5.2.2.7. #2656AD
 - 3.5.2.2.7.1. CURRENT_IMPORT = A
 - 3.5.2.2.7.2. ENERGY_ACTIVE_EXPORT_REGISTER = Wh
 - 3.5.2.2.7.3. TEMPERATURE = Other
 - 3.5.2.2.7.4. POWER_FACTOR = Other
- 3.5.2.2.8. #4E88F1
 - 3.5.2.2.8.1. VOLTAGE = V
 - 3.5.2.2.8.2. DEPARTURE_TIME = Other
- 3.5.2.2.9. #AoC2FF
 - 3.5.2.2.9.1. SOC = %
 - 3.5.2.2.9.2. RPM = Other

4. Related documents

4.1. Metric multiple select:

4.1.1.

Metric

Default Option A × Option B × Option C × +3 ▼

None selected

Metric

☐ Option 1

☐ Option 2

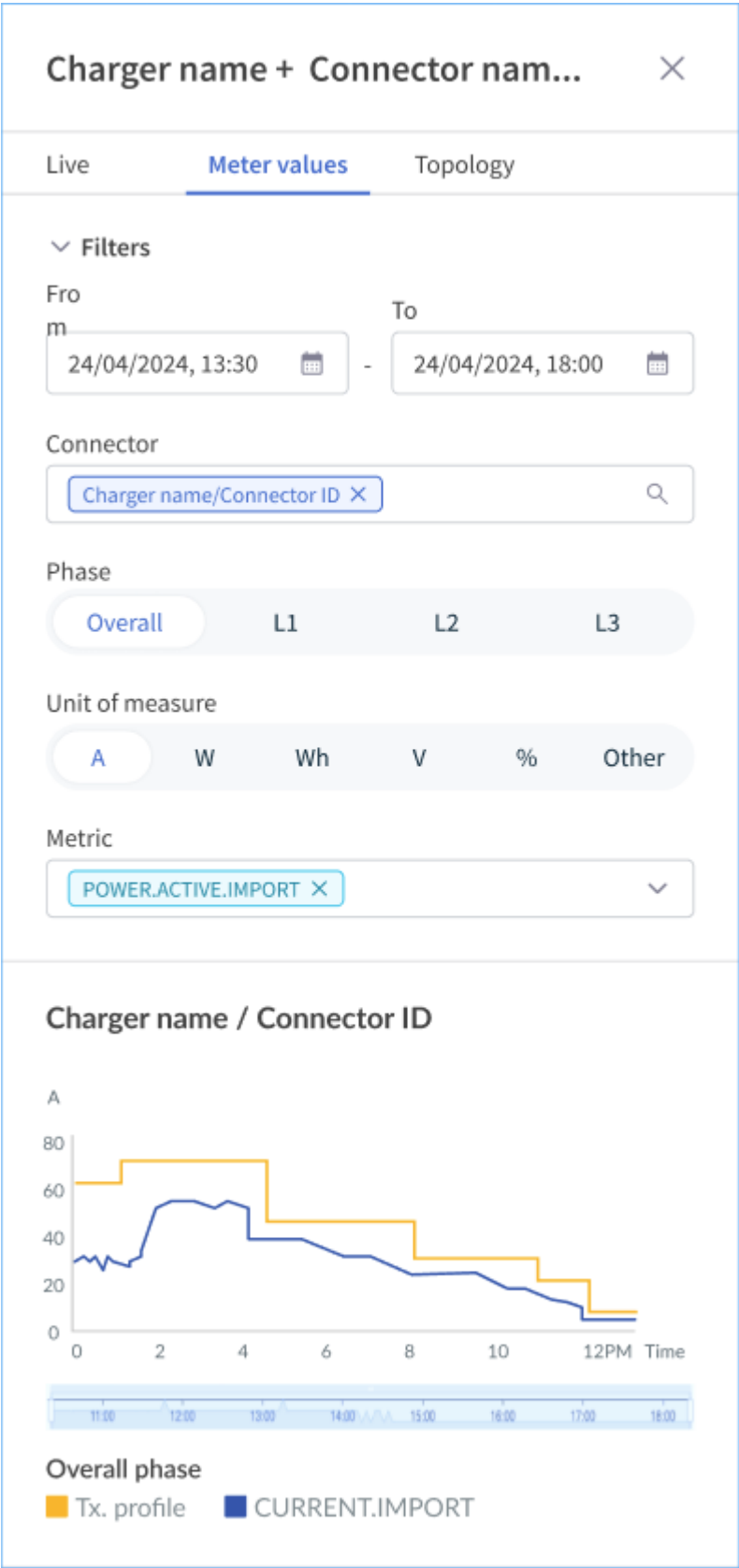
☐ Option 3

☐ Option 4

☐ Option 5

4.2. New Meter values tab:

4.2.1.



4.3. Color map:

4.3.1.

