* **Request Structure:**

{

"plantId": 1,

"instanceId": null, /\*should be kept null as ranking is happening across instances\*/

"instanceType": "INVERTER",

"kpiCode": "PLANT\_SPECIFIC\_POWER",

"fromDate": "2019-02-22",

"fromTime": "00:00",

"toDate": "2019-02-24",

"toTime": "18:30",

"operation": "MEAN",

"limit": 2 /\*whether consumer needs top n or bottom n performing instances\*/

}

* **Response Structure:**

{

"plantId": 1,

"instanceId": null,

"instanceType": "INVERTER",

"kpiCode": "PLANT\_SPECIFIC\_POWER",

"fromDate": "2019-02-22",

"fromTime": "00:00",

"toDate": "2019-02-24",

"toTime": "18:30",

"operation": "MEAN",

"limit": 2,

"status": "OK", /\*only if status is OK, ranking should be displayed in FE\*/

"message": "OK", /\*only if status is not OK, error message should be displayed in FE\*/

"top": [ /\*top 2 performing inverters based on daily average specific power over a period\*/

{

"id": 10,

"displayName": "Inverter Red",

"rankingValue": 98, /\*when ranking needs to be displayed, use this value\*/

"unit": "%",

"plots": [ /\*when graph needs to be displayed, use the plots\*/

{

"readingDate": "2019-02-22",

"readingTime": null, /\*empty because its daily average\*/

"readingValue": 97,

"readingUnit": "%"

},

{

"readingDate": "2019-02-23",

"readingTime": null,

"readingValue": 98,

"readingUnit": "%"

},

{

"readingDate": "2019-02-24",

"readingTime": null,

"readingValue": 96,

"readingUnit": "%"

}

]

},

{

"id": 5,

"displayName": "Inverter Blue",

"rankingValue": 94,

"unit": "%",

"plots": [

{

"readingDate": "2019-02-22",

"readingTime": null,

"readingValue": 95,

"readingUnit": "%"

},

{

"readingDate": "2019-02-23",

"readingTime": null,

"readingValue": 94,

"readingUnit": "%"

},

{

"readingDate": "2019-02-24",

"readingTime": null,

"readingValue": 93,

"readingUnit": "%"

}

]

}

],

"bottom": [ /\*bottom 2 performing inverters based on daily average specific power over a period\*/

{

"id": 20,

"displayName": "Inverter Green",

"rankingValue": 90,

"unit": "%",

"plots": [

{

"readingDate": "2019-02-22",

"readingTime": null,

"readingValue": 91,

"readingUnit": "%"

},

{

"readingDate": "2019-02-23",

"readingTime": null,

"readingValue": 90,

"readingUnit": "%"

},

{

"readingDate": "2019-02-24",

"readingTime": null,

"readingValue": 89,

"readingUnit": "%"

}

]

},

{

"id": 15,

"displayName": "Inverter Yellow",

"rankingValue": 92,

"unit": "%",

"plots": [

{

"readingDate": "2019-02-22",

"readingTime": null,

"readingValue": 91,

"readingUnit": "%"

},

{

"readingDate": "2019-02-23",

"readingTime": null,

"readingValue": 92,

"readingUnit": "%"

},

{

"readingDate": "2019-02-24",

"readingTime": null,

"readingValue": 93,

"readingUnit": "%"

}

]

}

]

}