标准化工具设计

# 1 API接口

## 1.1 初始化查询

|  |  |
| --- | --- |
| 接口说明 | 初始化查询 |
| URL | /api/init |
| 请求方式 | get |

* 请求

|  |
| --- |
| URL:/api/init |

字段说明如下：

|  |  |  |
| --- | --- | --- |
| 字段编码 | 是否必填 | 含义及取值范围 |
|  |  |  |

* 响应

|  |
| --- |
| {  "model\_info": ["UPS设备全集模板",  "单进单出塔式UPS设备类模板",  "三进单出塔式UPS设备类模板",  "三进三出模块化UPS设备类模板",  ...  ],  "status": 200,  "version": "1.0"  } |
|  |

字段说明如下：

|  |  |
| --- | --- |
| 字段编码 | 含义及取值范围 |
| model\_info | 标准化模板名称 |
| status | 读取状态 200:正常 404:获取出错 |
| version | 工具版本号 |

## 1.2 excel导入

|  |  |
| --- | --- |
| 接口说明 | Excel导入 |
| URL | /api/upload |
| 请求方式 | post |

* 请求

|  |
| --- |
| {  “upLoad”: “驱动文件名 xls | xlsx”  } |

字段说明如下：

|  |  |  |
| --- | --- | --- |
| 字段编码 | 是否必填 | 含义及取值范围 |
| upLoad | 必填 | 驱动文件名 xls | xlsx |

* 响应

|  |
| --- |
| {  "code": "0",  "msg": "success",  "read\_table": [{  "id": "",  "mapper": "",  "number": "1",  "precision": "",  “rw”:”0”,  "spotName": "1U ID",  "standardName": "",  "status": "0",  "unit": ""  },  ],  “table\_head”:[{  "key": "id",  "value": "标准ID",  "eidtable": "0",  }]  } |

字段说明如下：

|  |  |
| --- | --- |
| 字段编码 | 含义及取值范围 |
| code | 请求状态码 0=success;1=error |
| msg | 状态信息 |
| table\_head | 表头字段 |
| key | 对应table\_info中的map键 |
| Value | 表头名称信息 |
| eidtable | 是否显示0显示1隐藏 |
| table\_info | 表内容字段 |
| number | 序号 |
| spotName | 测点名称 |
| standardName | 测点标准名称 初始化是空 |
| unit | 单位 |
| mapper | 状态描述 |
| precision | 精度信息 |
| status | 状态控制,初始化都为0,0=正常;1=手动绑定;2=自动绑定 |
| id | 绑定的标准化id |
| rw | 与前端无关 写回excel用到 |

## 1.3 模板导入

|  |  |
| --- | --- |
| 接口说明 | Excel导入 |
| URL | /api/introduce?file\_name=”xxxxxxxx” |
| 请求方式 | get |

* 请求

|  |
| --- |
| {  “file\_name”: “UPS设备全集模板”  } |

字段说明如下：

|  |  |  |
| --- | --- | --- |
| 字段编码 | 是否必填 | 含义及取值范围 |
| file\_name | 必填 | 模板名称 如：UPS设备全集模板 |

* 响应

|  |
| --- |
| {  “code”: “0”,  "msg":"get data success",  "table\_head": [{  "key": "id",  "value": "标准ID"  },  {  "key": "spotName",  "value": "测点名称"  }],  "table\_info": [{  "groups": "输入",  "id": "1.7.0",  "mapper": "",  "precision": "0.1",  "spotName": "输入相电压",  "unit": "V",  “status”:”0”  },  {  "groups": "输入",  "id": "1.11.0",  "mapper": "",  "precision": "0.1",  "spotName": "输入相电流",  "unit": "A",  “status”:”0”  }]} |

字段说明如下：

|  |  |
| --- | --- |
| 字段编码 | 含义及取值范围 |
| code | 请求状态码 0=success;1=error |
| msg | 状态信息 |
| table\_head | 表头字段 |
| key | 对应table\_info中的map键 |
| Value | 表头名称信息 |
| table\_info | 表内容字段 |
| groups | 分组 |
| id | 标准测点id |
| mapper | 状态描述 |
| precision | 精度信息 |
| spotName | 测点名称 |
| unit | 单位信息 |
| status | 状态控制,初始化都为0,0=未绑定;1=已绑定 |

## 1.4 快速绑定

|  |  |
| --- | --- |
| 接口说明 | Excel导入 |
| URL | /api/binding |
| 请求方式 | post |

* 请求

|  |
| --- |
| {  “data”: “”  } |

字段说明如下：

|  |  |  |
| --- | --- | --- |
| 字段编码 | 是否必填 | 含义及取值范围 |
| file\_name | 必填 | 模板名称 如：UPS设备全集模板 |

* 响应

|  |
| --- |
| {  } |

字段说明如下：

|  |  |
| --- | --- |
| 字段编码 | 含义及取值范围 |
|  |  |

## 1.5 生成excel

|  |  |
| --- | --- |
| 接口说明 | 保存数据至excel |
| URL | /api/save |
| 请求方式 | post |

* 请求

|  |
| --- |
| {  } |

字段说明如下：

|  |  |  |
| --- | --- | --- |
| 字段编码 | 是否必填 | 含义及取值范围 |
|  | 必填 |  |

* 响应

|  |
| --- |
| {  “code”:0,  “msg”:”success”  } |

字段说明如下：

|  |  |
| --- | --- |
| 字段编码 | 含义及取值范围 |
| code | 请求状态码 0=success;1=error |
| msg | 状态信息 |

## 1.6 excel下载(预留)

|  |  |
| --- | --- |
| 接口说明 | 下载驱动文件 |
| URL |  |
| 请求方式 | GET |

说明：