

# Fusion Solar Battery Flow

I have used my URL <https://intl.fusionsolar.huawei.com:27200/> in the examples below instead of <https://x.x.x.x:27200/> as in documentation

Step	One-time setting	Method	Comment
1		<a href="https://intl.fusionsolar.huawei.com:27200/rest/openapi/pvms/v1/login">https://intl.fusionsolar.huawei.com:27200/rest/openapi/pvms/v1/login</a>	Login to get xsrf-token in RESPONSE HEADER used in all calls. Has to be renewed very often.
2	YES	<a href="https://intl.fusionsolar.huawei.com:27200/rest/openapi/pvms/v1/plants">https://intl.fusionsolar.huawei.com:27200/rest/openapi/pvms/v1/plants</a>	Use XRSF-token from step 1 Login to get plant codes. Store in settings.
3		<a href="https://eu5.fusionsolar.huawei.com:27200/rest/openapi/pvms/v1/vpp/chargeAndDischarge">https://eu5.fusionsolar.huawei.com:27200/rest/openapi/pvms/v1/vpp/chargeAndDischarge</a> <pre>{   "plantCodes": "NE=35378646",   "controlType": 2, //1: stop based on targetSOC, 2: stop based on dispatchTime   "dispatchTime": 60,   "targetSOC": 80,   "dispatchSwitch": 1, //0: stop forced charge and discharge, 1: forced charge, 2: forced discharge   "powerDispatch": 5000,   "requestID": 432523532530 //Think some kind of ID that you make up. For example YYYYMMDDHHMMSS.   Store last ID if want to ask questions }</pre>	Use XRSF-token from step 1 Login and plantCode from step 2 Plants to set charge/discharge/stop
4		<a href="https://intl.fusionsolar.huawei.com:27200/rest/openapi/pvms/v1/vpp/chargeAndDischargeStatus">https://intl.fusionsolar.huawei.com:27200/rest/openapi/pvms/v1/vpp/chargeAndDischargeStatus</a> <pre>{   "requestID": 432523532530 }</pre>	Use XRSF-token from step 1 Login and requestID from step 3 to get status