

```
[
  {
    "id": "5c99e228cd6b9a1a",
    "type": "switch",
    "z": "84a22c6522d8451c",
    "name": "Netzüberschuss",
    "property": "payload",
    "propertyType": "msg",
    "rules": [
      {
        "t": "lte",
        "v": "-700",
        "vt": "str"
      },
      {
        "t": "gte",
        "v": "-100",
        "vt": "str"
      }
    ],
    "checkall": "true",
    "repair": false,
    "outputs": 2,
    "x": 280,
    "y": 320,
    "wires": [
      [
        "126d886af3dc4480",
        "bda1013ecf027170"
      ],
      [

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        "32b00f06e57e918d"
    ]
]
},
{
    "id": "a17590945b762dbe",
    "type": "inject",
    "z": "84a22c6522d8451c",
    "name": "",
    "props": [
        {
            "p": "payload"
        },
        {
            "p": "topic",
            "vt": "str"
        }
    ],
    "repeat": "",
    "crontab": "",
    "once": false,
    "onceDelay": 0.1,
    "topic": "",
    "payload": "-1300",
    "payloadType": "num",
    "x": 110,
    "y": 240,
    "wires": [
        [
            "5c99e228cd6b9a1a",
            "54e6fcaccd0a82fd"
```

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    ]
  ]
},
{
  "id": "54e6fcaccd0a82fd",
  "type": "debug",
  "z": "84a22c6522d8451c",
  "name": "debug 40",
  "active": true,
  "tosidebar": true,
  "console": false,
  "tostatus": false,
  "complete": "false",
  "statusVal": "",
  "statusType": "auto",
  "x": 160,
  "y": 160,
  "wires": []
},
{
  "id": "126d886af3dc4480",
  "type": "function",
  "z": "84a22c6522d8451c",
  "name": "0 on",
  "func": "msg.payload = {\n  relay:0,\n  on:true\n};\nreturn msg;",
  "outputs": 1,
  "timeout": "",
  "noerr": 0,
  "initialize": "",
  "finalize": "",
  "libs": [],
```

```
"x": 390,
"y": 160,
"wires": [
  [
    "22abcf6236269e95",
    "e29c9591a02d3385"
  ]
]
},
{
  "id": "32b00f06e57e918d",
  "type": "function",
  "z": "84a22c6522d8451c",
  "name": "1 off",
  "func": "msg.payload = {\n  relay:0,\n  on:false\n};\nreturn msg;",
  "outputs": 1,
  "timeout": "",
  "noerr": 0,
  "initialize": "",
  "finalize": "",
  "libs": [],
  "x": 310,
  "y": 400,
  "wires": [
    [
      "ec0b40cdd7ef060f"
    ]
  ]
}
{
  "id": "22abcf6236269e95",
```

```
"type": "debug",
"z": "84a22c6522d8451c",
"name": "debug 41",
"active": false,
"tosidebar": true,
"console": false,
"toastatus": false,
"complete": "false",
"statusVal": "",
"statusType": "auto",
"x": 820,
"y": 200,
"wires": []
},
{
  "id": "2bf2eda017196fb8",
  "type": "inject",
  "z": "84a22c6522d8451c",
  "name": "",
  "props": [
    {
      "p": "payload"
    },
    {
      "p": "topic",
      "vt": "str"
    }
  ],
  "repeat": "",
  "crontab": "",
  "once": false,
```

```
"onceDelay": 0.1,
"topic": "",
"payload": "-100",
"payloadType": "num",
"x": 90,
"y": 380,
"wires": [
  [
    "5c99e228cd6b9a1a"
  ]
]
},
{
  "id": "bda1013ecf027170",
  "type": "debug",
  "z": "84a22c6522d8451c",
  "name": "debug 47",
  "active": false,
  "tosidebar": true,
  "console": false,
  "tostatus": false,
  "complete": "false",
  "statusVal": "",
  "statusType": "auto",
  "x": 300,
  "y": 260,
  "wires": []
},
{
  "id": "ca1504a1d6cc2825",
  "type": "debug",
```

```
"z": "84a22c6522d8451c",
"name": "debug 48",
"active": true,
"tosidebar": true,
"console": false,
"tostatus": false,
"complete": "false",
"statusVal": "",
"statusType": "auto",
"x": 880,
"y": 380,
"wires": []
},
{
  "id": "ec0b40cdd7ef060f",
  "type": "combine-logic",
  "z": "84a22c6522d8451c",
  "name": "Logig UND Ausschalten",
  "topic": "",
  "operator": "and",
  "defer": 250,
  "timeout": "10",
  "distinction": "topic",
  "x": 650,
  "y": 420,
  "wires": [
    [
      "ca1504a1d6cc2825",
      "1c91c17993e48bcc"
    ]
  ]
},
```

```
"inputLabels": [
  "2"
]
},
{
  "id": "84b8e976ca4dc9c7",
  "type": "function",
  "z": "84a22c6522d8451c",
  "name": "0 on",
  "func": "msg.payload = {\n  relay:0,\n  on:true\n};\nreturn msg;",
  "outputs": 1,
  "timeout": "",
  "noerr": 0,
  "initialize": "",
  "finalize": "",
  "libs": [],
  "x": 390,
  "y": 620,
  "wires": [
    [
      "37829e9c75756730",
      "e29c9591a02d3385"
    ]
  ]
},
{
  "id": "6708e4cfc0ee2734",
  "type": "function",
  "z": "84a22c6522d8451c",
  "name": "1 off",
  "func": "msg.payload = {\n  relay:0,\n  on:false\n};\nreturn msg;"
```



```
"outputs": 1,
"timeout": "",
"noerr": 0,
"initialize": "",
"finalize": "",
"libs": [],
"x": 390,
"y": 740,
"wires": [
  [
    "a351b9db10940f86",
    "ec0b40cdd7ef060f"
  ]
]
},
{
  "id": "cb4c22cc14decfe1",
  "type": "inject",
  "z": "84a22c6522d8451c",
  "name": "",
  "props": [
    {
      "p": "payload"
    },
    {
      "p": "topic",
      "vt": "str"
    }
  ],
  "repeat": "",
  "crontab": "",
```

```
"once": false,
"onceDelay": 0.1,
"topic": "",
"payload": "55",
"payloadType": "num",
"x": 130,
"y": 580,
"wires": [
  [
    "983968133d06db0c"
  ]
]
},
{
  "id": "c0b767937970750c",
  "type": "inject",
  "z": "84a22c6522d8451c",
  "name": "",
  "props": [
    {
      "p": "payload"
    },
    {
      "p": "topic",
      "vt": "str"
    }
  ],
  "repeat": "",
  "crontab": "",
  "once": false,
  "onceDelay": 0.1,
```

```
"topic": "",
"payload": "8",
"payloadType": "num",
"x": 110,
"y": 800,
"wires": [
  [
    "983968133d06db0c"
  ]
]
},
{
  "id": "983968133d06db0c",
  "type": "switch",
  "z": "84a22c6522d8451c",
  "name": "Batterie Ladestrom",
  "property": "payload",
  "propertyType": "msg",
  "rules": [
    {
      "t": "gte",
      "v": "55",
      "vt": "str"
    },
    {
      "t": "lte",
      "v": "8",
      "vt": "str"
    }
  ],
  "checkall": "true",
```

```
"repair": false,
"outputs": 2,
"x": 410,
"y": 680,
"wires": [
  [
    "84b8e976ca4dc9c7"
  ],
  [
    "6708e4cfc0ee2734"
  ]
]
},
{
  "id": "37829e9c75756730",
  "type": "debug",
  "z": "84a22c6522d8451c",
  "name": "debug 49",
  "active": true,
  "tosidebar": true,
  "console": false,
  "tostatus": false,
  "complete": "false",
  "statusVal": "",
  "statusType": "auto",
  "x": 360,
  "y": 500,
  "wires": []
},
{
  "id": "a351b9db10940f86",
```

```
"type": "debug",
"z": "84a22c6522d8451c",
"name": "debug 50",
"active": false,
"tosidebar": true,
"console": false,
"tostatus": false,
"complete": "false",
"statusVal": "",
"statusType": "auto",
"x": 320,
"y": 800,
"wires": []
},
{
  "id": "1c91c17993e48bcc",
  "type": "shelly-gen1",
  "z": "84a22c6522d8451c",
  "hostname": " 192.168.178.94",
  "description": "",
  "mode": "polling",
  "verbose": false,
  "server": "033a6e9acf499057",
  "uploadretryinterval": "5000",
  "pollinginterval": 5000,
  "pollstatus": false,
  "getstatusoncommand": true,
  "devicetype": "Relay",
  "devicetypemustmatchexactly": false,
  "outputs": 1,
  "x": 1040,
```

```
"y": 620,
"wires": [
  []
]
},
{
  "id": "e29c9591a02d3385",
  "type": "combine-logic",
  "z": "84a22c6522d8451c",
  "name": "Logig ODER Einschalten",
  "topic": "",
  "operator": "or",
  "defer": 250,
  "timeout": "10",
  "distinction": "topic",
  "x": 690,
  "y": 660,
  "wires": [
    [
      "632879da30337d92",
      "1c91c17993e48bcc"
    ]
  ],
  "inputLabels": [
    "2"
  ]
},
{
  "id": "632879da30337d92",
  "type": "debug",
  "z": "84a22c6522d8451c",
```

```
"name": "debug 51",
"active": true,
"tosidebar": true,
"console": false,
"tostatus": false,
"complete": "false",
"statusVal": "",
"statusType": "auto",
"x": 920,
"y": 780,
"wires": []
},
{
  "id": "2dc1acf7c63a075e",
  "type": "victron-input-gridmeter",
  "z": "84a22c6522d8451c",
  "service": "com.victronenergy.grid/30",
  "path": "/Ac/Power",
  "serviceObj": {
    "service": "com.victronenergy.grid/30",
    "name": "Grid meter"
  },
  "pathObj": {
    "path": "/Ac/Power",
    "type": "float",
    "name": "Power (W)"
  },
  "name": "",
  "onlyChanges": false,
  "x": 120,
  "y": 300,
```

```
"wires": [
  []
]
},
{
  "id": "592d291b3a5cc4e9",
  "type": "victron-input-system",
  "z": "84a22c6522d8451c",
  "service": "com.victronenergy.system/0",
  "path": "/Dc/Battery/Current",
  "serviceObj": {
    "service": "com.victronenergy.system/0",
    "name": "Venus system"
  },
  "pathObj": {
    "path": "/Dc/Battery/Current",
    "type": "float",
    "name": "Battery current (A)"
  },
  "name": "",
  "onlyChanges": false,
  "x": 160,
  "y": 680,
  "wires": [
    []
  ]
},
{
  "id": "033a6e9acf499057",
  "type": "shelly-gen1-server",
  "port": "20001",
```



```
    "hostname": ""  
  }  
]
```