

sudo mpp-solar -p /dev/ttyUSB0 -D -c PDx

```
2022-02-10 23:18:39,049:INFO: __init__:main@236: Solar Device Command Utility, version: 0.7.76, remove brackets in ved protocol
2022-02-10 23:18:39,049:INFO: __init__:main@339: Creating device "unnamed" (type: "mppsolar") on port "/dev/ttyUSB0 (porttype=None)"
using protocol "PI30"
2022-02-10 23:18:39,050:DEBUG: __init__:main@343: device_class <class 'mppsolar.devices.mppsolar.mppsolar'>
2022-02-10 23:18:39,050:DEBUG:device: __init__ @31: __init__ args ()
2022-02-10 23:18:39,050:DEBUG:device: __init__ @32: __init__ kwargs {'name': 'unnamed', 'port': '/dev/ttyUSB0', 'protocol': 'PI30', 'baud':
2400, 'porttype': None, 'mqtt_broker': 'localhost', 'mqtt_port': 1883, 'mqtt_user': None, 'mqtt_pass': None}
2022-02-10 23:18:39,050:DEBUG:device:get_port_type@86: port matches ttyusb
2022-02-10 23:18:39,050:INFO:device:set_port@160: Using serialio for communications
2022-02-10 23:18:39,053:DEBUG:device:set_protocol@96: Protocol PI30
2022-02-10 23:18:39,058:DEBUG:device: __init__ @36: __init__ name unnamed, port <mppsolar.io.serialio.SerialIO object at
0x7fc149e12fd0>, protocol <mppsolar.protocols.pi30.pi30 object at 0x7fc149d8d9d0>
2022-02-10 23:18:39,059:DEBUG: __init__:main@390: Commands [(<mppsolar.devices.mppsolar.mppsolar object at 0x7fc149df48e0>,
'PDx', 'PDx', 'screen', None, None)]
2022-02-10 23:18:39,059:INFO: __init__:main@395: Looping 1 commands
2022-02-10 23:18:39,059:INFO: __init__:main@405: Getting results from device: mppsolar device - name: unnamed, port:
<mppsolar.io.serialio.SerialIO object at 0x7fc149e12fd0>, protocol: <mppsolar.protocols.pi30.pi30 object at 0x7fc149d8d9d0> for command:
PDx, tag: PDx, outputs: screen
2022-02-10 23:18:39,059:INFO:device:run_command@270: Running command PDx
2022-02-10 23:18:39,059:INFO:abstractprotocol:get_full_command@31: Using protocol b'PI30' with 36 commands
2022-02-10 23:18:39,059:DEBUG:protocol_helpers:crcPI@299: Calculating CRC for b'PDx'
2022-02-10 23:18:39,059:DEBUG:protocol_helpers:crcPI@349: Generated CRC 0x60 0x59 0x6059
2022-02-10 23:18:39,059:DEBUG:abstractprotocol:get_full_command@38: full command: b'PDx`Y\r'
2022-02-10 23:18:39,059:INFO:device:run_command@296: full command b'PDx`Y\r' for command PDx
2022-02-10 23:18:39,059:DEBUG:abstractprotocol:get_command_defn@42: Processing command 'PDx'
2022-02-10 23:18:39,059:DEBUG:abstractprotocol:get_command_defn@48: Regex commands _command: F
2022-02-10 23:18:39,059:DEBUG:abstractprotocol:get_command_defn@48: Regex commands _command: MCHGC
2022-02-10 23:18:39,059:DEBUG:abstractprotocol:get_command_defn@48: Regex commands _command: MNCHGC
2022-02-10 23:18:39,059:DEBUG:abstractprotocol:get_command_defn@48: Regex commands _command: MUCHGC
2022-02-10 23:18:39,060:DEBUG:abstractprotocol:get_command_defn@48: Regex commands _command: PBCV
2022-02-10 23:18:39,060:DEBUG:abstractprotocol:get_command_defn@48: Regex commands _command: PBDV
2022-02-10 23:18:39,060:DEBUG:abstractprotocol:get_command_defn@48: Regex commands _command: PBFT
2022-02-10 23:18:39,060:DEBUG:abstractprotocol:get_command_defn@48: Regex commands _command: PBT
2022-02-10 23:18:39,060:DEBUG:abstractprotocol:get_command_defn@48: Regex commands _command: PCP
2022-02-10 23:18:39,060:DEBUG:abstractprotocol:get_command_defn@48: Regex commands _command: PCVV
2022-02-10 23:18:39,061:DEBUG:abstractprotocol:get_command_defn@48: Regex commands _command: PE
2022-02-10 23:18:39,061:DEBUG:abstractprotocol:get_command_defn@48: Regex commands _command: PD
2022-02-10 23:18:39,061:DEBUG:serialio:send_and_receive@19: port /dev/ttyUSB0, baudrate 2400
2022-02-10 23:18:39,062:DEBUG:serialio:send_and_receive@22: Executing command via serialio...
2022-02-10 23:18:39,163:DEBUG:serialio:send_and_receive@30: serial response was: b'(NAKss\r'
2022-02-10 23:18:40,237:DEBUG:device:run_command@315: Send and Receive Response b'(NAKss\r'
2022-02-10 23:18:40,237:INFO:abstractprotocol:decode@175: response passed to decode: b'(NAKss\r'
2022-02-10 23:18:40,237:INFO:abstractprotocol:decode@179: NAK
2022-02-10 23:18:40,237:INFO:device:run_command@334: Decoded response {'ERROR': ['NAK', ""]}
2022-02-10 23:18:40,238:DEBUG: __init__:main@409: results: {'ERROR': ['NAK', ""]}
2022-02-10 23:18:40,238:INFO: __init__:get_outputs@26: attempting to create output processor: screen
2022-02-10 23:18:40,240:DEBUG:screen: __init__ @16: processor.screen __init__ kwargs {}
2022-02-10 23:18:40,240:DEBUG: __init__:main@415: Using output filter: None
2022-02-10 23:18:40,240:INFO:screen:output@19: Using output processor: screen
2022-02-10 23:18:40,240:DEBUG:screen:output@20: kwargs {'data': {'ERROR': ['NAK', ""]}, 'tag': 'PDx', 'mqtt_broker': 'localhost',
'mqtt_port': 1883, 'mqtt_user': None, 'mqtt_pass': None, 'mqtt_topic': 'mpp-solar', 'filter': None, 'excl_filter': None, 'keep_case': False}
Parameter      Value      Unit
error          NAK
2022-02-10 23:18:40,241:DEBUG: __init__:main@435: Not daemon, so not looping
```