# List of CANBus commands for MEAN WELL Power Supplies and Chargers

| Command Code | Command Name | Transaction Type | # of data Bytes | Description | NPB | SHP | DBU DPU |
|---|---|---|---|---|---|---|---|
| 0x0000 | OPERATION | R/W | 1 | ON/OFF control<br>ON: 01h/OFF: 00h | ✔ | ✔ | ✔ |
| 0x0020 | VOUT_SET | R/W | 2 | Output voltage set<br>(format: value, F=0.01) | ✔ | ✔ | ✔ |
| 0x0030 | IOUT_SET | R/W | 2 | Output current set<br>(format: value, F=0.01) | ✔ | ✔ | ✔ |
| 0x0040 | FAULT_STATUS | R | 2 | Abnormal Status | ✔ | ✔ | ✔ |
| 0x0050 | READ_VIN<br>(NPB-450/ /750<br>Does not support) | R | 2 | Input voltage read value<br>(format: value, F=0.1) | ✔ | ✘ | ✔ |
| 0x0050 | READ_VIN_ RS(L1) | R | 2 | $V_{RS}$ Input voltage read value<br>(format: value, F =0. 1) | ✘ | ✔ | ✘ |
| 0x0051 | READ_VIN_ ST(L2) | R | 2 | $V_{ST}$ Input voltage read value<br>(format: value, F =0. 1) | ✘ | ✔ | ✘ |
| 0x0052 | READ_VIN_ TR(L3) | R | 2 | $V_{TR}$ Input voltage read value<br>(format: value, F =0. 1) | ✘ | ✔ | ✘ |
| 0x0053 | READ_ I IN_ R(L1) | R | 2 | R Input current read value<br>(format: value, F =0.1) | ✘ | ✔ | ✘ |
| 0x0054 | READ_ I IN_ S(L2) | R | 2 | S Input current read value<br>(format: value, F =0.1) | ✘ | ✔ | ✘ |
| 0x0055 | READ_ I IN_ T(L3) | R | 2 | T Input current read value<br>(format: value, F =0.1) | ✘ | ✔ | ✘ |
| 0x0060 | READ_VOUT | R | 2 | Output voltage read value<br>(format: value, F=0.01) | ✔ | ✔ | ✔ |
| 0x0061 | READ_IOUT | R | 2 | Output current read value<br>(format: value, F=0.01) | ✔ | ✔ | ✔ |
| 0x0062 | READ_<br>TEMPERATURE_1 | R | 2 | Internal ambient temperature<br>(format: value, F=0.1) | ✔ | ✔ | ✔ |
| 0x0070 | READ_FAN_<br>SPEED_1 | R | 2 | Fan speed 1 reading value<br>(format: value, F=1, unit: RPM) | ✘ | ✔ | ✔ |

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|---|---|---|---|---|---|---|---|
| 0x0072 | READ_FAN_ SPEED_3 | R | 2 | Fan speed 3 reading value (format: value, F=1, unit: RPM) | ✘ | ✔ | ✘ |
| 0x0073 | READ_FAN_ SPEED_4 | R | 2 | Fan speed 4 reading value (format: value, F=1, unit: RPM) | ✘ | ✔ | ✘ |
| 0x0080 | MFR_ID_B0B5 | R | 6 | Manufacture's name | ✔ | ✔ | ✔ |
| 0x0081 | MFR_ID_B6B11 | R | 6 | Manufacture's name | ✔ | ✔ | ✔ |
| 0x0082 | MFR_MODEL_B0B5 | R | 6 | Manufacture model name | ✔ | ✔ | ✔ |
| 0x0083 | MFR_MODEL_B6B1 1 | R | 6 | Manufacture model name | ✔ | ✔ | ✔ |
| 0x0084 | MFR_REVISION_B0 B5 | R | 6 | Firmware version | ✔ | ✔ | ✔ |
| 0x0085 | MFR_LOCATION_B 0B2 | R | 3 | Manufacture place | ✔ | ✔ | ✔ |
| 0x0086 | MFR_DATE_B0B5 | R | 6 | Manufacturer date | ✔ | ✘ | ✔ |
| 0x0087 | MFR_SERIAL_B0B5 | R | 6 | Product serial number | ✔ | ✘ | ✔ |
| 0x0088 | MFR_SERIAL_B6B1 1 | R | 6 | Product serial number | ✔ | ✘ | ✔ |
| 0x00B0 | CURVE_CC | R/W | 2 | Constant current setting of charge curve (format: value, F=0.01) | ✔ | ✘ | ✔ |
| 0x00B1 | CURVE_CV | R/W | 2 | Constant voltage setting of charge curve (format: value, F=0.01) | ✔ | ✘ | ✔ |
| 0x00B2 | CURVE_FV | R/W | 2 | Floating voltage setting value of charging curve (format: value, F=0.01) | ✔ | ✘ | ✔ |
| 0x00B3 | CURVE_TC | R/W | 2 | Taper current setting value of charging curve (format: value, F=0.01) | ✔ | ✘ | ✔ |
| 0x00B4 | CURVE_CONFIG | R/W | 2 | Configuration setting of charge curve | ✔ | ✘ | ✔ |
| 0x00B5 | CURVE_CC_TIMEO UT | R/W | 2 | CC charge timeout setting of charging curve | ✔ | ✘ | ✔ |
| 0x00B6 | CURVE_CV_TIMEO UT | R/W | 2 | CV charge timeout setting of charging curve | ✔ | ✘ | ✔ |
| 0x00B7 | CURVE_FV_TIMEO UT | R/W | 2 | FV charge timeout setting of charging curve | ✔ | ✘ | ✔ |

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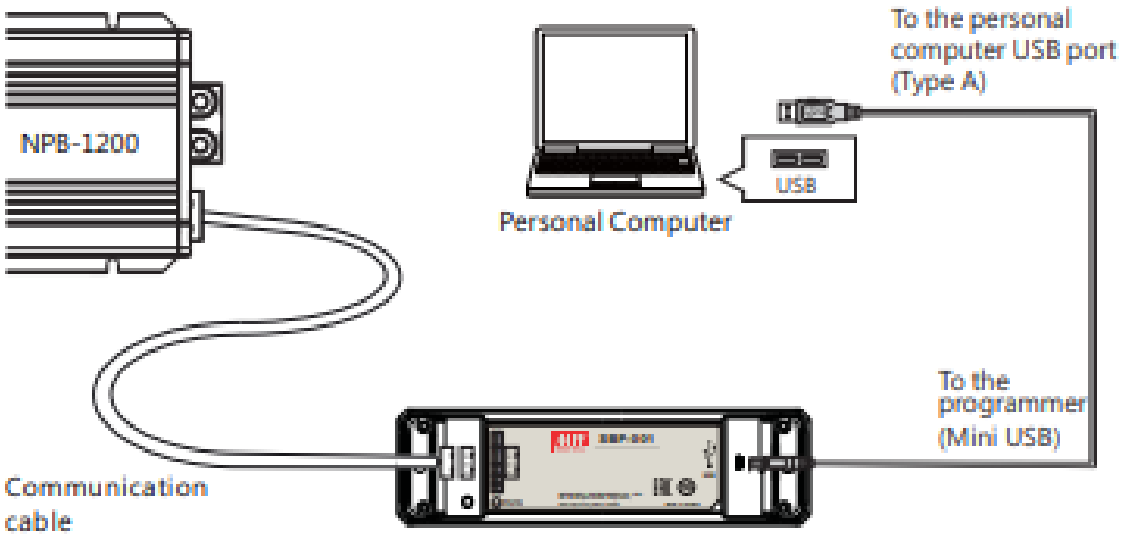
|---|---|---|---|---|---|---|---|
| 0x00B8 | CHG_STATUS | R | 2 | Charging status reporting | ✔ | ✘ | ✔ |
| 0x00B9 | CHG_RST_VBAT | R/W | 2 | The voltage to Restart the charging after the battery is fully | ✔ | ✘ | ✘ |
| Command Code | Command Name | Transaction Type | # of data Bytes | Description | NPB | SHP | DBU / DPU |
| 0x00C1 | SYSTEM_STATUS | R | 2 | System status | ✔ | ✘ | ✘ |
| 0x00C2 | SYSTEM_CONFIG | R/W | 2 | System configuration | ✔ | ✘ | ✘ |

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