

Altivar Soft Starter ATS480

V1.2 IE03

1. Firmware update procedure

Download and install **EcoStruxure Automation Device Maintenance** here:

- <https://www.se.com/ww/en/download/document/EADM/>

Download and install SoMove with ATS480 DTM here:

- https://www.se.com/ww/en/download/document/SoMove_FDT/
- https://www.se.com/ww/en/download/document/ATS480_DTM_Library_EN/

Carefully read the instructions contained in the **ATS480 User Manual** available here:

- <https://www.se.com/ww/en/download/document/NNZ85515/>

2. Version history

✓ Version 1.2 IE03

Date of publication: 03/2025

- PROFINET V2 communication module (VW3A3647 ≥ V3.2IE12) supported.
- Labels update for the plain text display terminal (VW3A1113) – V01.64.
- Rotor lock function – Rotor lock error behavior corrected match ATS48 behavior.
- Prevent analog output to reach out of bound values.
- Remove the possibility to switch active command channel to keypad when it's not connected.
- Disabling line monitoring using CMI bit 14 is more possible.
- Remove the possibility to configure Modbus HMI port communication settings through keypad.
- Improve braking stop time accuracy.
- Firmware update – PROFINET V2 communication module (VW3A3647) could be update.
- Firmware update – Transfer speed optimized when using the new cordset (VW3A8127).
- Firmware update – Improve robustness in case of FWMC default.

✓ Version 1.1 IE02

Date of publication: 10/2022

- Labels update for the plain text display terminal (VW3A1113) – V01.42.
- INFA overvoltage / overcurrent error code has been replaced by a more explicit error code (CPSF) explaining causes and remedies.
- Cascade function – Motor circuit breaker trip behavior during the starting phase same as ATS48.
- Cascade function – Correct SCR control to reduce inrush current at start.
- Cascade function – When activating, the soft starter displays a safety message with the limitation of cascade function.
- CANopen – Register 6061 correction.
- Ethernet – Timeout parameter accessible both in Modbus TCP and EtherNet/IP.
- Stator loss compensation (LSC) parameter is visible in torque control (TC) only as it has no effect in voltage control.
- Modbus RTU – Added a safety message when Modbus error response is ignored.

✓ Version 1.1 IE01_2208

Date of publication: 08/2022

- Chinese language labels update for the plain text display terminal (VW3A1113) – V01.39

✓ Version 1.1 IE01

Date of publication: 03/2022

- Initial firmware release of ATS480.

3. Known issues and limitations

- ✓ Not Applicable

4. Notes

- ✓ *This firmware release contains:*
 - *The firmware of the ATS480 V1.1 IE02*
 - *The labels of the plain text display terminal (VW3A1113)*
- ✓ *This firmware version is compatible with:*
 - *Graphic display terminal (VW3A1111)*
 - *Plain text display terminal (VW3A1113) ≥ V2.0*
 - *EtherNet/IP, ModbusTCP communication module (VW3A372x) ≥ V2.1 IE28*
 - *PROFINET V2 communication module (VW3A3647) ≥ V3.2IE12*
 - *PROFIBUS DP communication module (VW3A3607) ≥ V1.15 IE16*
 - *CANopen communication modules (VW3A3608, VW3A3618, VW3A3628)*
- ✓ *This firmware version is not compatible with:*
 - *PROFINET communication module (VW3A3627)*

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