

## Shihlin SA3-Type inverter CPU firmware update (V0.150→V0.160) description

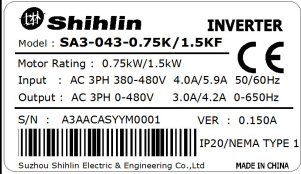
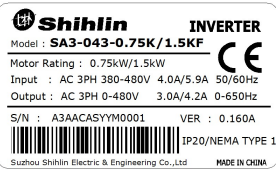
Thank you for choosing and support Shihlin electric products.

The following is description of Shihlin SA3-Type inverter CPU firmware update (V0.150→V0.160)

### A、Objective models:

SA3 full models

### B、Version update:

No.	before update		after update	
	Product Label	Version	Product Label	Version
1		V0.150		V0.160

### C、Purpose of modification:

#### 1. Function added:

No.	description
1	Add the function to support EC301;
2	Added Canopen disconnection selection, and select the parking mode when disconnected by address 0x6007 = 0, 1, 2;
3	New decryption function: enters the same error password in P.294 three times in a row, and the interval between two adjacent times does not exceed 10 seconds. The inverter unconditionally decrypts and automatically performs parameter recovery to factory setting ;
4	P.161 added encoder feedback position monitoring option: P.161=31, monitor encoder feedback position; P.161=32, monitor A1B1 received pulse number; P.161=33, monitor A2B2 received pulse number;
5	Add a function when parameter P.386 ten-bit is set to IM start, detect whether the P.351 setting is wrong
6	When the PG card +5V power supply is disconnected before the new operation or during operation, the PG2 will alarm during operation;
7	When the PM motor Z phase is tuning, determine whether the P.351 is set to the correct value.

2. Content corrected:

No.	description
1	Change the upper limit of P.303 and P.333 from 48 to 256;
2	Change the upper limit of P.22 from 400 to 250;
3	Change the default value of P.366 from 10 to 30; the default value of P.367 from 376 to 10000;
4	Modify the decimal of P.255~P.258, which is determined by P.21.
5	Modify the second motor speed loop parameter (P371~P377), which is the same with the unit and default values of the first motor speed loop (P320~P326) parameters;
6	Correct the DC brake function before the SVC mode of the PM motor is started, and correct the problem that the DC brake voltage is inconsistent with the voltage monitoring voltage.

D、Replacement notes:

1. Start from November 2018.
2. The version of the manual correspond with SA3 V0.160 is not lower than V1.09 (also released).Please download it from the official website
- 3.The version of the software correspond with SA3 V0.160 is not lower than V0.8.14(release in 12/E).Please download it from the official website



general



confidential



secret



top secret

Release Date	2018/11/7	Parts Name	Shihlin SA3-Type inverter CPU firmware update (V0.150→V0.160) description	Shihlin Electric Automation Group
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