GUIDE

301633

# HF650N系列变频器



GUIDE

Wuhan Guide Technology Co., Ltd.

6

027-87920068

027-87927299

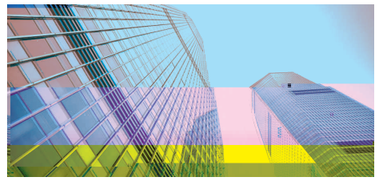
www.gdetec.com

400-0077-570

2025.07

©

Copyright©Wuhan Guide Technology Co., Ltd.



# ABOUT US

301633）是工信部

“ ”

“ ” “ ” “

100 ” “ 100 ” “ ” 10 ” “

” “ ” “

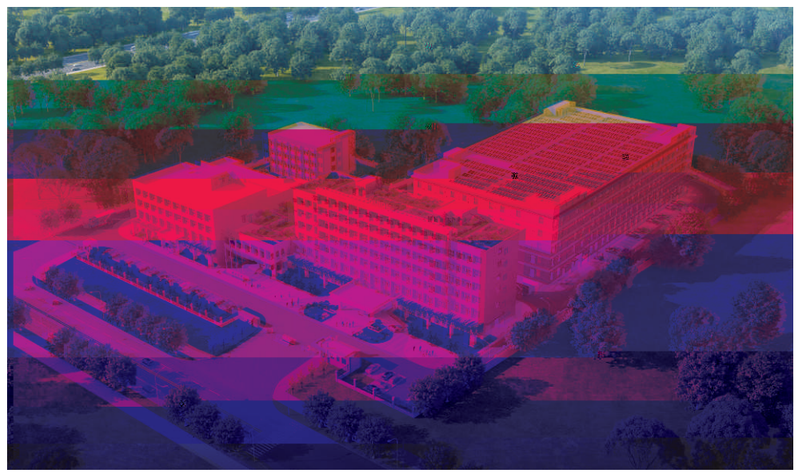
” “ ” “ ”

“ ”

“ ” “

”

”



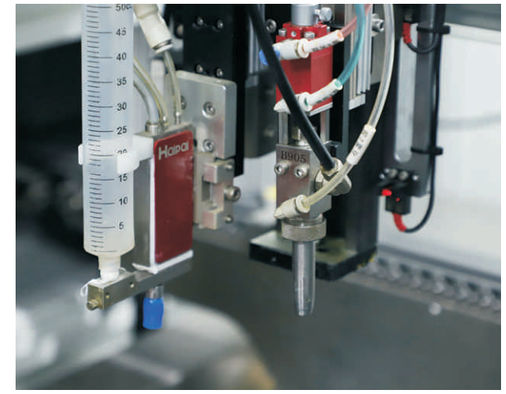


1



2

全自动三防喷涂工艺，涂层覆盖更加稳定均匀，全面提升单板防护能力。



3

。

| | | |
|---|---|---|
| | | / |
| | | |
| | | / |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |



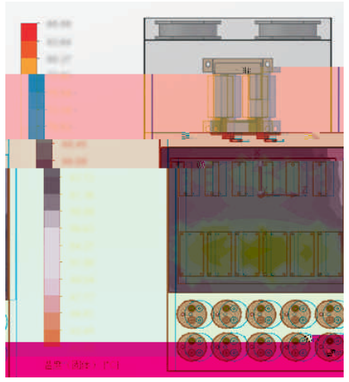


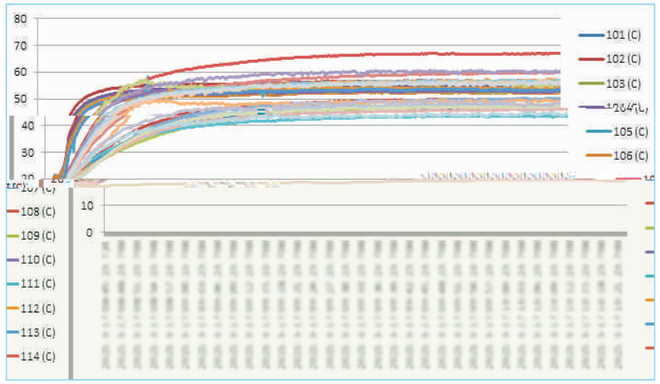




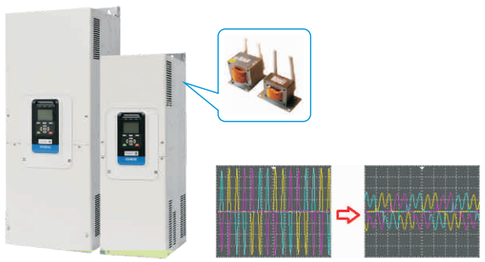


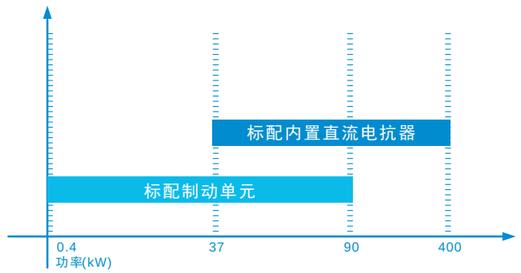
## 4






## 5

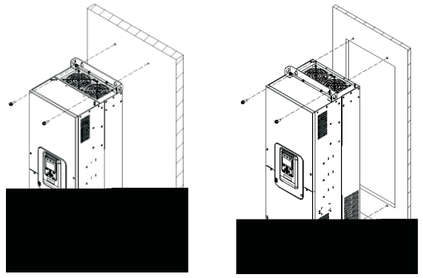




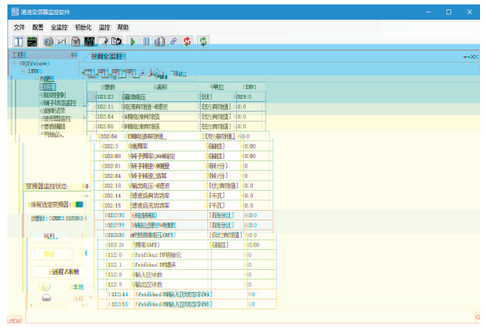

0.4kW~90kW 标配内置制动单元；
37kW~400kW 标配内置直流电抗器

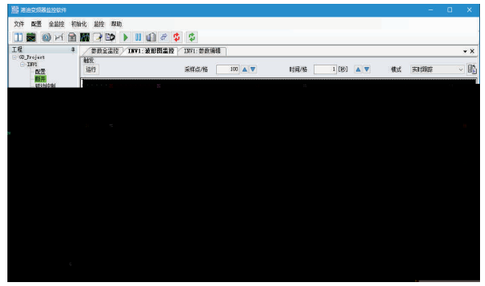


## 1



## 2 GuideInvSoft 上位机软件





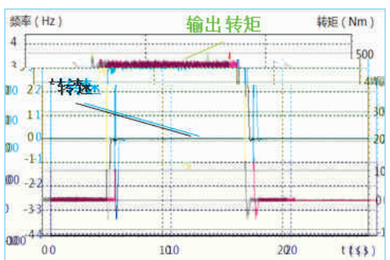
GuideInvSoft，

## 3 LCD键盘，具备上传下载等丰富的功能。

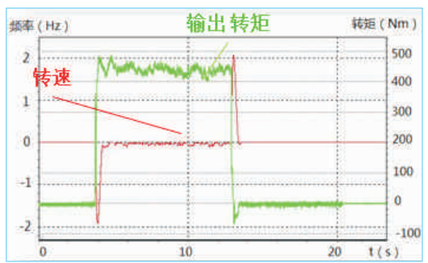


LCD 240mm*160mm，支持
中文、英文、俄

## 1 200%转矩输出。



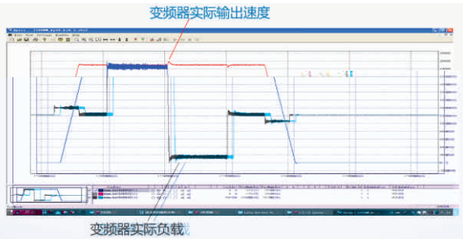

230Nm， 0rpm 200%
45kW 37kW




230Nm， 0rpm 200%
230Nm）

200%的额定转矩。

## 2




## 3

DROOP

ö

x7ðC€ —b

# HF650N

## HF650N

HF650N LC - XXX - 4 - XXX + X

❶ ❷ ❸ ❹ ❺ ❻

| ❶ 产品序列 | ❷ | ❸ 功率 | ❹ 电压等级 | ❺ 备用 |
|---|---|---|---|---|
| | LC | 举例：<br>5R5=5.5kW；055=55kW<br>110=110kW | 4：380V | |

❻ 选配件（随机器安装）

| 代码 | | 代码 | |
|---|---|---|---|
| MB01 | Modbus RTU | DP01 | Profibus DP |
| PN01 | Profinet | CAN01 | CANopen |
| PG02 | 适用于标准型变频器的增量型编码器卡 | | |
| IO01 (IO ) | 7DI+4DO+Modbus RTU （适用于标准型变频器） | IO02 (IO ) | 5DI+2DO |

1 HF650N-5R5-4 400V/5.5kW LCD

2 HF650N-090-4 400V/90kW LCD

3 HF650N-250-4+MB01 400V/250kW LCD Modbus RTU

## HF650N

| 型号 | 输出电流<br>A | 适用电机容量<br>kW | 机型 | [mm]<br>H*W*D | 重量<br>kg |
|---|---|---|---|---|---|
| HF650N-0R4-4 | 1.8 | 0.4 | N1 | 260*140*191 | 3.5 |
| HF650N-0R7-4 | 2.6 | 0.75 | | | |
| HF650N-1R1-4 | 3.3 | 1.1 | | | |
| HF650N-1R5-4 | 4.8 | 1.5 | | | |
| HF650N-2R2-4 | 5.7 | 2.2 | N2 | 260*140*191 | 4 |
| HF650N-3R7-4 | 10.2 | 3.7 | | | |
| HF650N-5R5-4 | 15 | 5.5 | | | 5 |
| HF650N-7R5-4 | 18 | 7.5 | | | |
| HF650N-011-4 | 24 | 11 | N3 | 302*180*194 | 6.5 |
| HF650N-015-4 | 32 | 15 | | | |
| HF650N-018-4 | 41 | 18.5 | N4 | 375*279*236 | 12.5 |
| HF650N-022-4 | 47 | 22 | | | |
| HF650N-030-4 | 65 | 30 | | | |
| HF650N-037-4 | 75 | 37 | N5 | 766*235*345.5 | 38 |
| HF650N-045-4 | 94 | 45 | | | |
| HF650N-055-4 | 115 | 55 | | | |
| HF650N-075-4 | 155 | 75 | N6 | 885*315*331.5 | 55 |
| HF650N-090-4 | 188 | 90 | | | |
| HF650N-110-4 | 215 | 110 | N7 | 965*390*345.5 | 80 |
| HF650N-132-4 | 265 | 132 | | | |
| HF650N-160-4 | 330 | 160 | N8 | 1093*492*376 | 120 |
| HF650N-185-4 | 365 | 185 | | | |
| HF650N-200-4 | 396 | 200 | | | |
| HF650N-220-4 | 438 | 220 | N9 | 1200*490*395.5 | 150 |
| HF650N-250-4 | 485 | 250 | | | |
| HF650N-280-4 | 545 | 280 | N10 | 1305*700*415 | 240 |
| HF650N-315-4 | 610 | 315 | | | |
| HF650N-355-4 | 668 | 355 | | | |
| HF650N-400-4 | 720 | 400 | | | |
| HF650N-560-4-C | 1090 | 560 | 成柜型<br>（两并机） | / | / |
| HF650N-630-4-C | 1220 | 630 | | | |
| HF650N-710-4-C | 1336 | 710 | | | |
| HF650N-800-4-C | 1440 | 800 | | | |

1 0.4kW-30kW 37kW-400kW

2 90kW 110kW

3 LCD



## HF650N

| | | |
|---|---|---|
| | | 380V 480V |
| | | 50/60Hz |
| | | -15% +10% |
| | | fLN ±2% ±4%<br>≤2%fLN/s |
| | | 0 5% |
| | | 1% |
| | | 0 300Hz |
| | | |
| | | 1kHz 10kHz |
| | | 0.01Hz x0.1% |
| | | (VC) (SVC) V/F |
| | V/F | |
| | | PG PG |
| | | 300Hz |
| | | 0Hz/200%(VC SVC) 0.8Hz/150%(V/F) |
| | | <5ms(SVC) <5ms(VC) |
| | | ±5%(SVC) ±3%(VC) |
| | | 1:500(SVC) 1:1000(VC) |
| | | ±0.02% (VC) ±0.2% (SVC) ±0.5% (V/F) |
| | | 180% 5 1 |
| | | |
| | | |
| | | |
| | | |
| | PID | |
| | | CANopen Modbus RTU Profibus DP Profinet |
| | | PID |
| | | / / |
| | | |
| | | / / |
| | | 5 2 0 +10V 0mA/4mA 20mA |
| | | 3 1 2 2<br>0 +10V 0mA/4mA 20mA |

## HF650N

| | | |
|---|---|---|
| | LCD | |
| | | |
| | | |
| | | 1000 1000 100 1%<br>3000 |
| | | -10 +40 40 1 1%<br>50<br>-10 |
| | | 95%RH |
| | | -20 +60 |
| | | 98% |
| | | IO PG |
| | | |
| | | IP20 |
| | | 0.75kW 1.1kW |
| | | 2 |

| | | | |
|---|---|---|---|
| Modbus RTU | MB01 | GDHF-AMBX1 | Modbus RTU |
| DP | DP01 | GDHF-ADPX1 | Profibus DP |
| PN | PN01 | GDHF-APNX1 | Profinet |
| CAN | CAN01 | GDHF-ACNX1 | CANopen |
| PG | PG02 | GDHF-APGX1 | |
| IO 1 | IO01 | GDHF-AIOX1 | 7DI+4DO+Modbus RTU |
| IO 2 | IO02 | GDHF-AIOX2 | 5DI+2DO（ |



NOTE