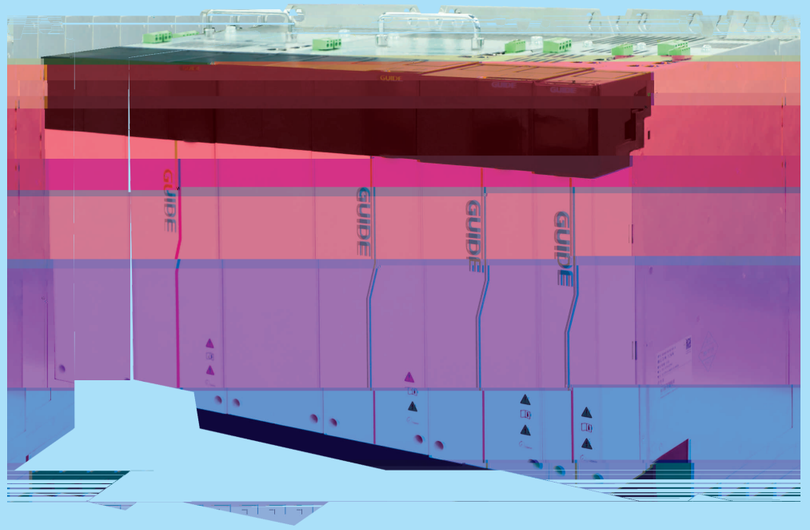
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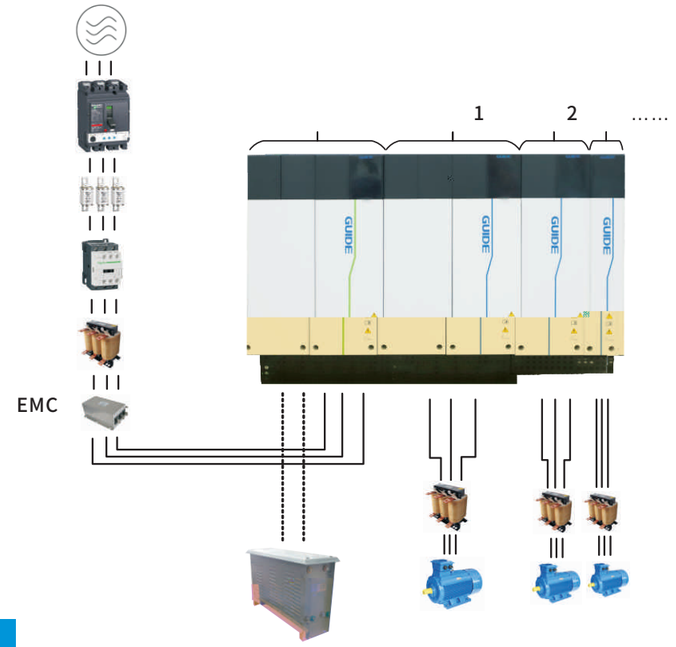
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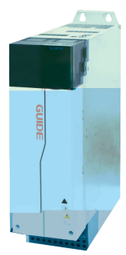
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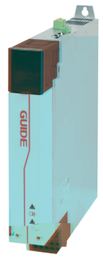


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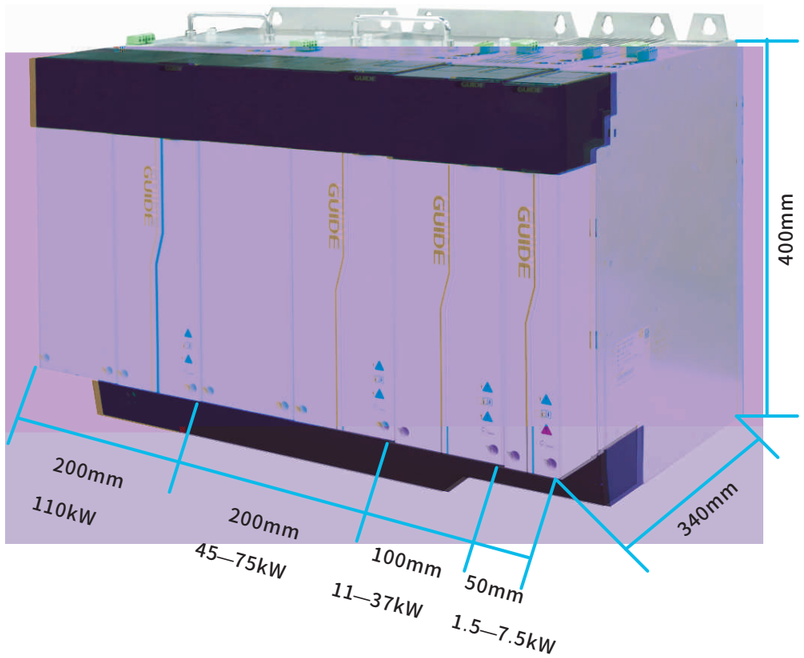


外观				
	整流单元			
功率等级	22kW	45kW	110kW	160kW
尺寸 （WxDxH）mm	100x340x400	100x340x400	200x340x400	300x340x400

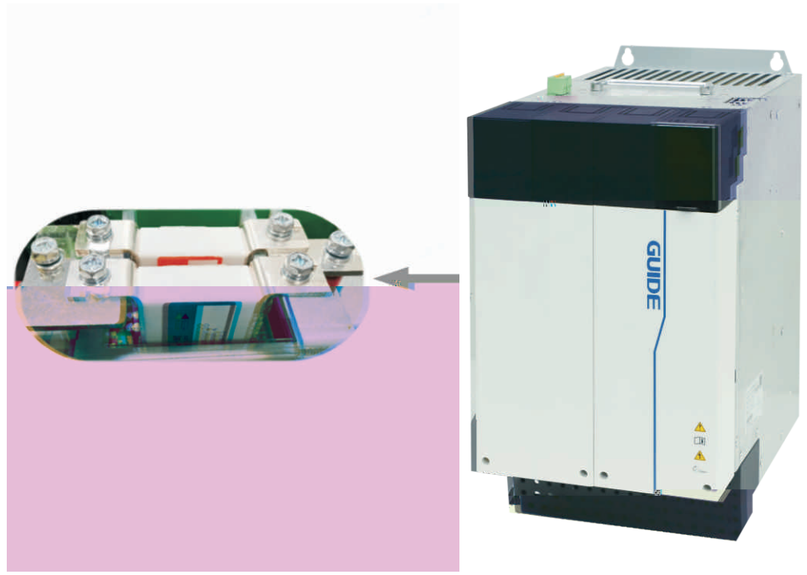
外观				
	逆变单元			
功率等级	1. 5～7. 5kW	11～37kW	45～75kW	90～110kW
尺寸 （WxDxH）mm	50x340x400	100x340x400	200x340x400	300x340x400

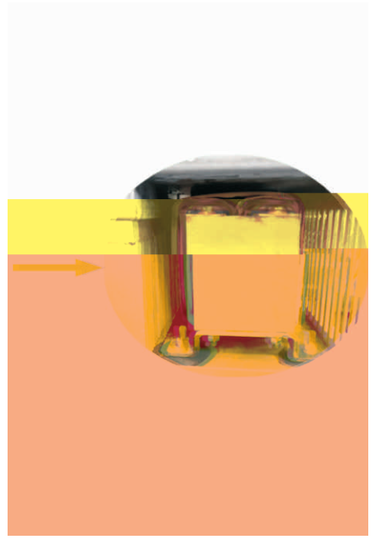


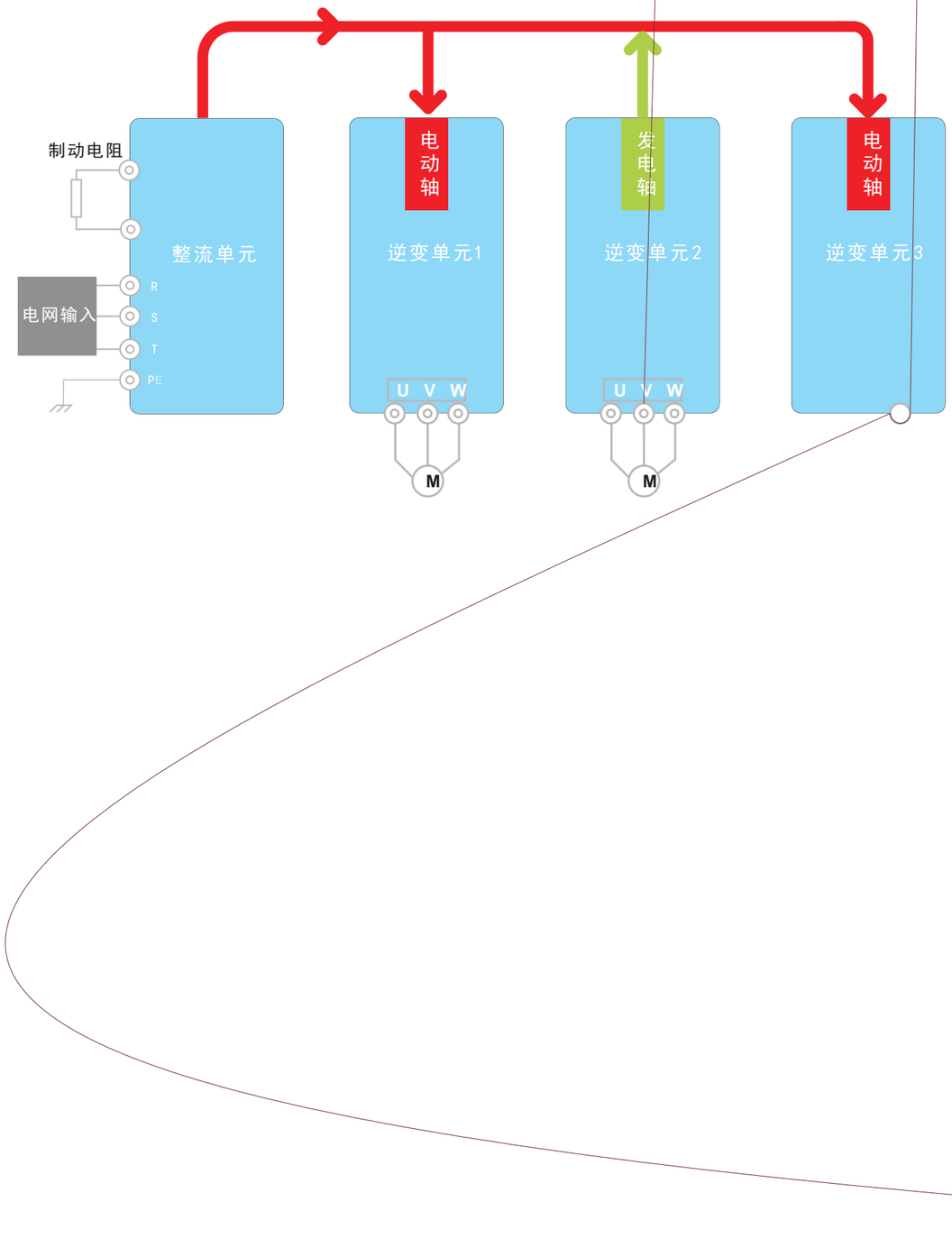
- 20%



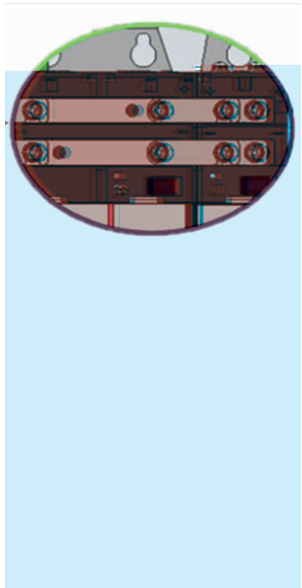
- 75kW

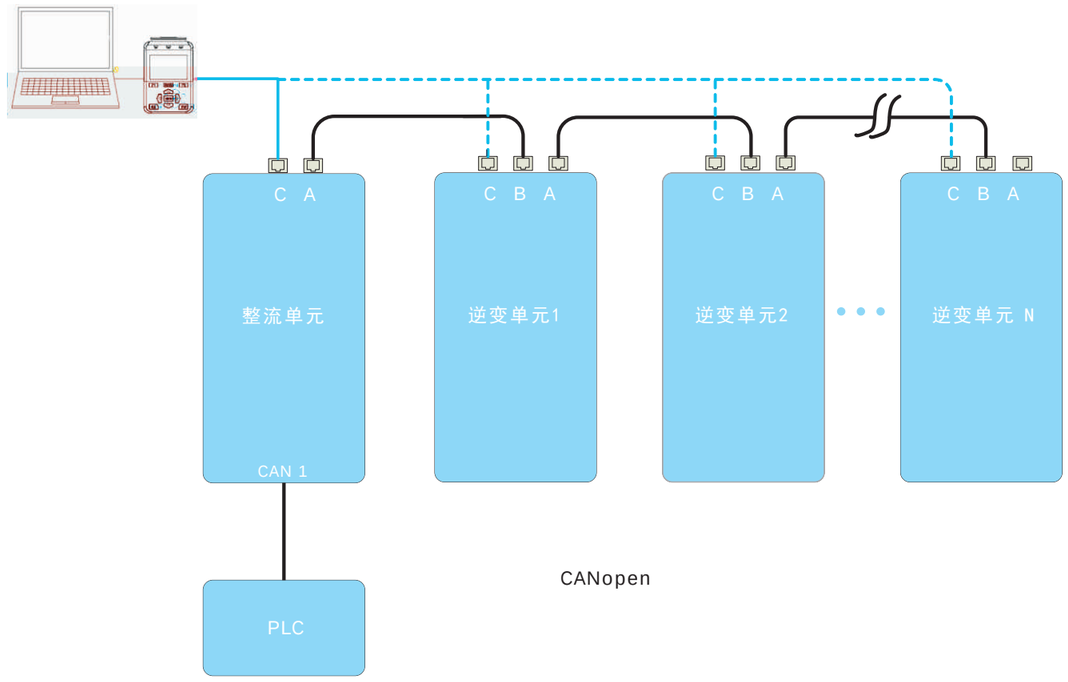






- Mini




C A
C B A
C B A
C B A
整流单元
逆变单元1
逆变单元2
逆变单元 N
CAN 1
PLC
CANopen
C A
C B A
C B A
C B A
1
2
N

	DC (A)	AC (A)	(kW)	
HF681N03M-1R5-4	4	4	1.5	M1
HF681N03M-2R2-4	6	5.7	2.2	
HF681N03M-3R7-4	11	10.2	3.7	
HF681N03M-5R5-4	16	15	5.5	
HF681N03M-7R5-4	19	18	7.5	
HF681N03M-011-4	25	24	11	M2
HF681N03M-015-4	34	32	15	
HF681N03M-018-4	41	38	18.5	
HF681N03M-022-4	51	47	22	
HF681N03M-030-4	71	65	30	
HF681N03M-037-4	82	75	37	
HF681N03M-045-4	104	94	45	M3
HF681N03M-055-4	127	115	55	
HF681N03M-075-4	171	155	75	
HF681N03M-090-4	210	188	90	M4
HF681N03M-110-4	240	215	110	

PG	GDHF681N4PG01A1	PG
PN	GDHF681N4PN02A1	PROFINET
MODBUS-RTU	GDHF681N4MB01A1	MODBUS
IO	GDHF681N4IO01A1	DI DO

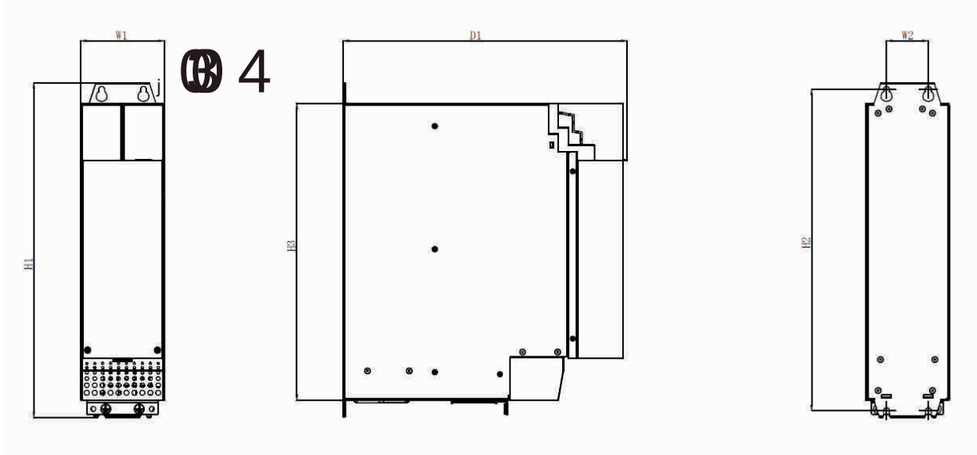
整流单元选型

	kW	(A)	(A)	
HF681N01M-22-4+X	22	49	56	K2
HF681N01M-45-4+X	45	89	109	
HF681N01M-110-4+X	110	196	245	K3
HF681N01M-160-4+X	160	292	358	K4

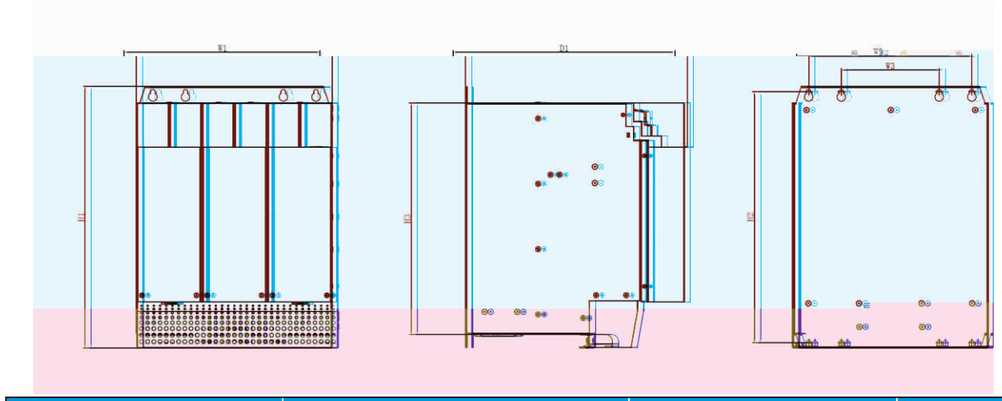
技术参数

		380V 480V
		50/60Hz
		-15% +10%
		fLN±2 ±4 ≤2 fLN/s
		0
		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)
		1:500(SVC) 1:1000(VC)
		±0.02% (VC) ±0.2% (SVC) ±0.5% (V/F)

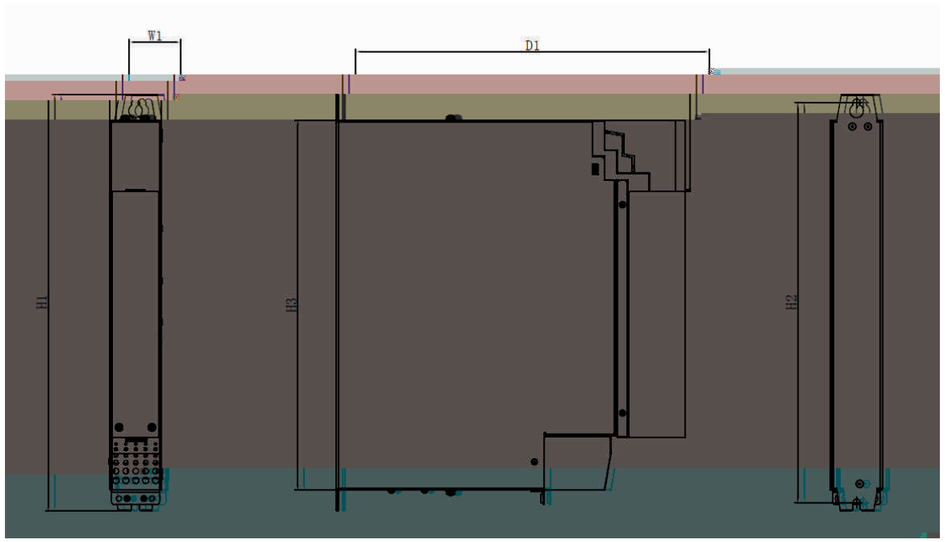
	PID	
		PID / /
		43 DI 8 DI 2 AI 2 STO
		30 DO 5 DO 2 AO
	LED	
		1000 1000 100 1% 3000
		-10 +40 40 1 1% 50 -10
		95%RH
		-20 +60 10-30
		98%
		2 IO PG
		CAN
		IP20
		2
		≤ 80db



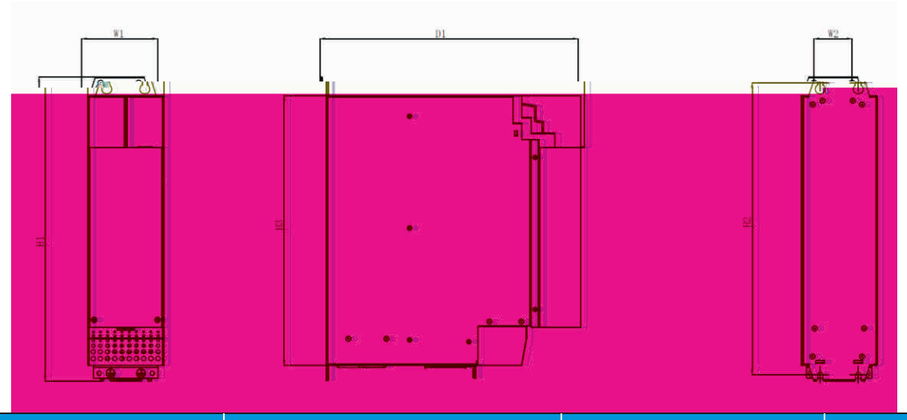
	(mm)				(mm)			(mm)
	H1	H3	W1	D1	H2	W2	/	
HF681N01M-22-4	400	355	100	340	384	50	/	7
HF681N01M-45-4	400	355	100	340	384	50	/	7



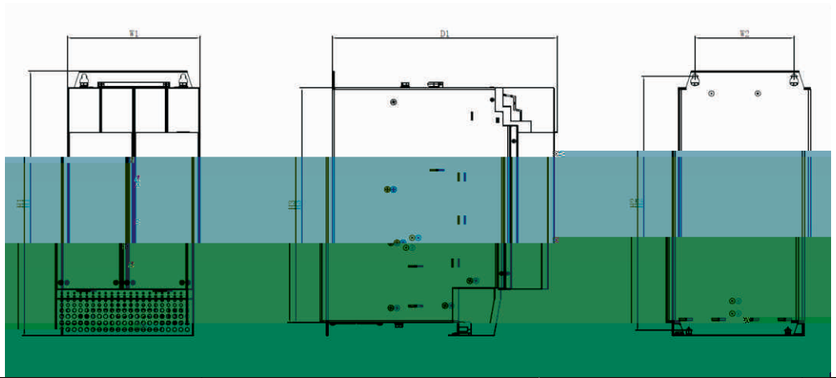
	(mm)				(mm)			(mm)
	H1	H3	W1	D1	H2	W2	W3	
HF681N01M-160-4	400	355	300	340	384	250	150	7



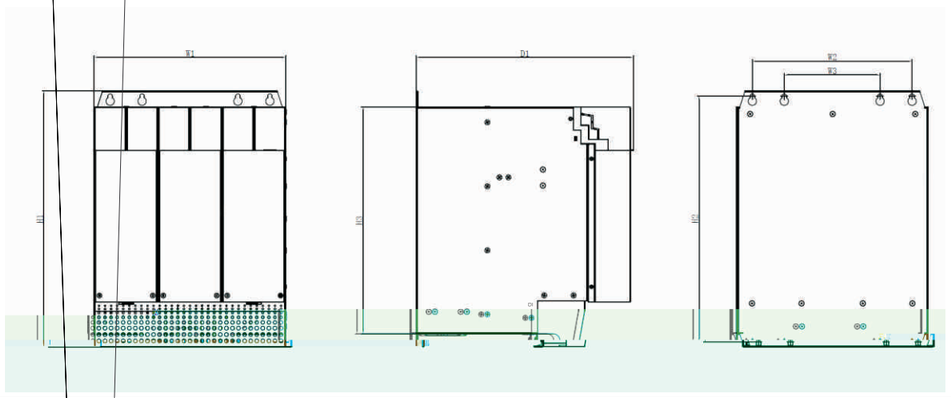
	(mm)				(mm)			(mm)
	H1	H3	W1	D1	H2	/	/	
HF681N03M-1R5-4	400	355	50	340	384	/	/	7
HF681N03M-2R2-4	400	355	50	340	384	/	/	7
HF681N03M-3R7-4	400	355	50	340	384	/	/	7
HF681N03M-5R5-4	400	355	50	340	384	/	/	7
HF681N03M-7R5-4	400	355	50	340	384	/	/	7



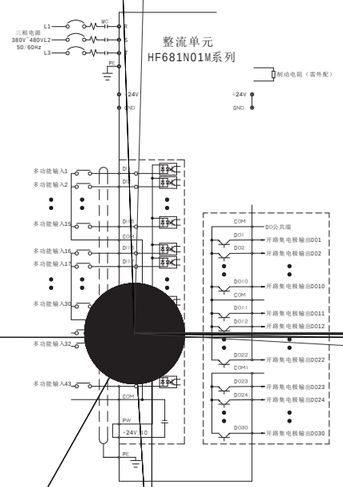
	(mm)				(mm)			(mm)
	H1	H3	W1	D1	H2	W2	/	
HF681N03M-011-4	400	355	100	340	384	50	/	7
HF681N03M-015-4	400	355	100	340	384	50	/	7
HF681N03M-018-4	400	355	100	340	384	50	/	7
HF681N03M-022-4	400	355	100	340	384	50	/	7
HF681N03M-030-4	400	355	100	340	384	50	/	7
HF681N03M-037-4	400	355	100	340	384	50	/	7



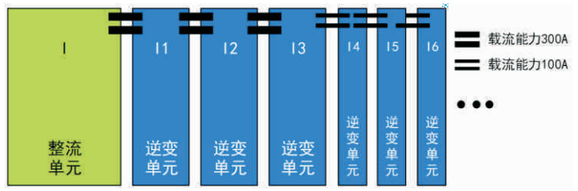
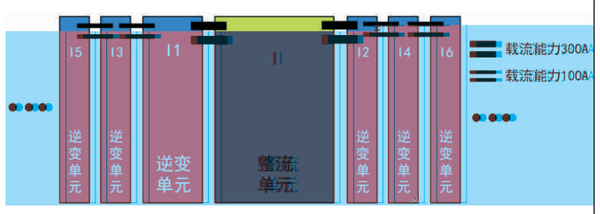
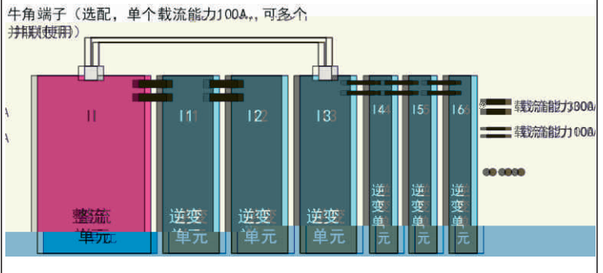
	(mm)				(mm)			(mm)
	H1	H3	W1	D1	H2	W2	/	
HF681N03M-045-4	400	355	200	340	384	150	/	7
HF681N03M-055-4	400	355	200	340	384	150	/	7
HF681N03M-075-4	400	355	200	340	384	150	/	7



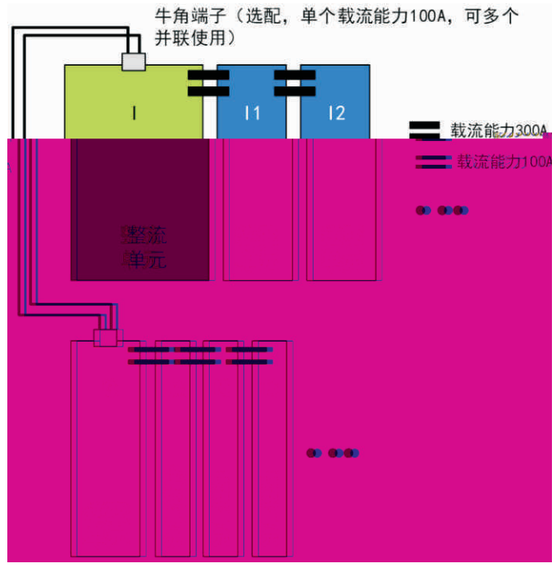
	(mm)				(mm)			(mm)
	H1	H3	W1	D1	H2	W2	W3	
HF681N03M-090-4	400	355	300	340	384	250	150	7
HF681N03M-110-4	400	355	300	340	384	250	150	7



HF681N系列产品安装方式

		I≥0.8*（I1+I2+I3+I4+I5+I6+… I1+I2+I3+I4+I5+I6+…≤300A I4+I5+I6+…≤100A
居中		I≥0.8* I1+I2+I3+I4+I5+I6+… I2+I4+I6+…≤300A I1+I3+I5+…≤300A I4+I6+…≤100A I3+I5+…≤100A
		I≥0.8* I1+I2+I3+I4+I5+I6+… I3+I4+I5+I6+…≤ 100*n）A （n I1+I2≤300A I4+I5+I6+…≤100A

HF681N系列产品安装方式

		I≥0.8* I1+I2+I3+I4+I5+I6+… I3+I4+I5+I6+…≤ 100*n）A （n I1+I2≤300A I4+I5+I6+…≤100A