

MD800 - 콤팩트 AC 멀티 드라이브

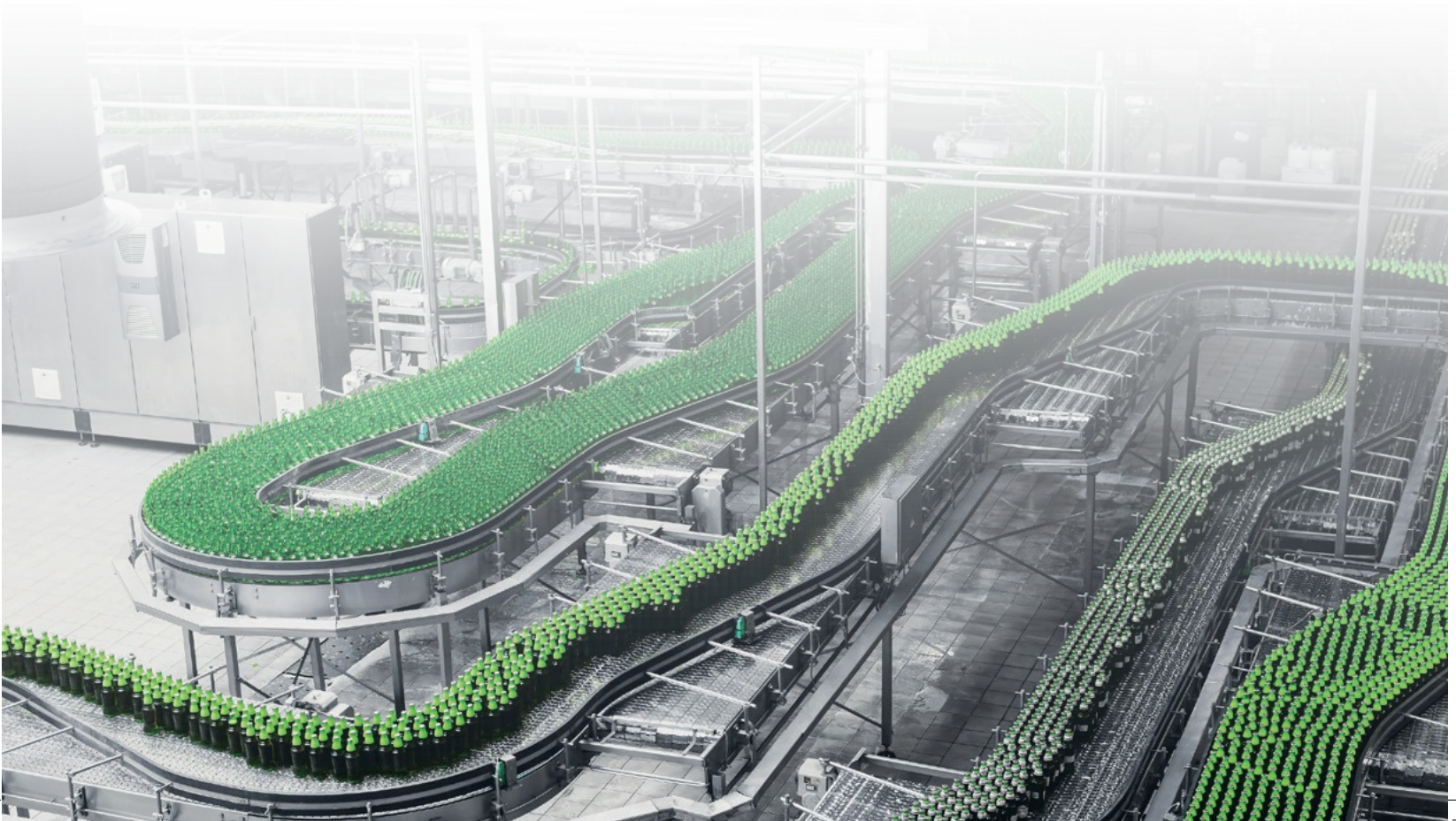
컴팩트한 사이즈, 다양한 기능의 드라이브



- 모듈러 디자인 (최대 8개 드라이브)
- 단상 220V / 삼상 400V
- 드라이브 용량 : 200W ~ 7.5W
- STO SIL3
- 다양한 필드버스 통신 선택



reddot winner 2021
innovative product



MD800 특징 및 기능

● 다양한 기능:

- 각 드라이브에 STO SIL 3 탑재
- 오픈 루프 인덕션 모터 및 PM 모터 제어
- +24 VDC 백업 컨트롤 전원
- IP40 보호등급
- 리모트 LCD 키패드(옵션대응)
- 셋업용 PC소프트웨어
- 듀얼 레이팅 지원: 중부하 (HD, G rating): 150% 과부하; 경부하 (ND, P rating): 110% 과부하

● 높은 레벨의 유연한 연결:

- 빌트인 I/Os: 4 DI, 4 DI/DO, 2 AI, 1 RO
- 기본 내장 통신 지원:
USB PC접속 포트, CAN, RS485



- 두 개의 확장슬롯
 - I/O 확장 카드
 - 필드버스 옵션 카드



● 설치비용의 감소

- 사용자 친화적인 플러그형 커넥터(스프링 타입)
- 제어반 제작시간 감소
- 전장연결 감소
- 더 적은 외부 추가 전장품
 - > Common EMC필터 (C2등급)
 - > 입력 리액터
 - > 퓨즈/MCCBs
 - > Common 빌트인 제동 유닛(선택)

● 더 작은 전장반 설계를 위한 컴팩트한 사이즈

- 동일한 사이즈(높이 및 깊이): 182 mm x 160 mm
- 파워모듈 폭: 99.5 mm
- 드라이브 모듈 폭: 49.5 mm

● 내구성 위주 설계:

- 높은 레벨의 컨포멀 코팅 (3C3 & 3S2)
- 동작 온도 범위: -20 to +60°C (de-rating > 50°C)
- 동작 고도: 최대 4,000 m (1,000 m이상 디레이팅)
- 히트싱크를 위한 별도의 냉각 채널

상기 이미지는 실제 사이즈입니다.

W 300 mm x H 182 mm * 개발중



Common DC버스 파워모듈
400 V (HD): 3.7 - 15 kW
200 V (HD): 2.2 - 3.7 kW

메인 입력 터미널 및 제동 유닛용 터미널 (옵션대응)

STO SIL 3

Common DC

()

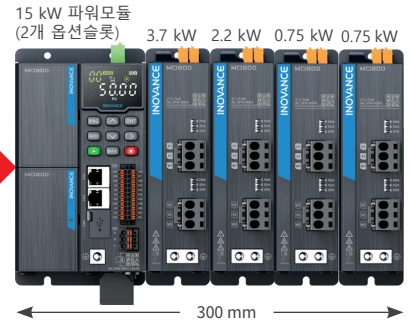
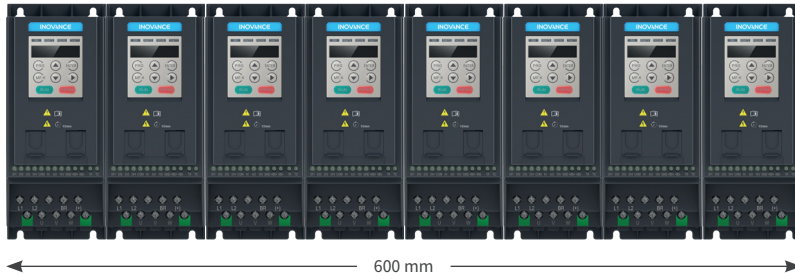


400 V (HD): 0.4 - 3.7 kW
200 V (HD): 0.2 - 2.2 kW

EMC
(옵션대응)

400 V (HD): 0.4 - 7.5 kW
200 V (HD): 0.2 - 2.2 kW

8개의 Inovance MD200 드라이브, 각 모듈 사이즈: W 75 mm x H 180 mm



-50%

Power (kW)		Part number	Model	Output AC current (A)		STO function	
HD	ND			HD	ND		
400 V, DC supply voltage: 510-720 VDC							
0.4	0.75	0101B470	MD800-1-4T1R8	1.8	2.1	No	
0.75	1.5	01019513	MD800-1-4T3R4	3.4	4.6		
1.5	2.2	0101B471	MD800-1-4T4R8	4.8	5.4		
2.2	3.7	01019514	MD800-1-4T5R5	5.5	9		
3.7	5.5	0101B472	MD800-1-4T9R5	9.5	13		
5.5	7.5	01019512	MD800-1-4T13	13	17		
7.5	11	01019506	MD800-1-4T17	17	21	Yes	
0.4	0.75	0101B582	MD800-1-4T1R8S	1.8	2.1		
0.75	1.5	0101B583	MD800-1-4T3R4S	3.4	4.6		
1.5	2.2	0101B586	MD800-1-4T4R8S	4.8	5.4		
2.2	3.7	0101B587	MD800-1-4T5R5S	5.5	9		
3.7	5.5	0101B590	MD800-1-4T9R5S	9.5	13		
5.5	7.5	0101B591	MD800-1-4T13S	13	17	No	
7.5	11	0101B555	MD800-1-4T17S	17	21		
200 V, DC supply voltage: 270-360 VDC							
0.2	0.4	0101BA93	MD800-1-2T1R7	1.7	1.9		No
0.4	0.75	0101BA92	MD800-1-2T3	3	3.5		
0.75	1.5	0101BA91	MD800-1-2T5	5	8		
1.5	2.2	0101BA89	MD800-1-2T8	8	9.6		
2.2	3.7	0101BA88	MD800-1-2T11	11	17.6		
0.2	0.4	0101BD16	MD800-1-2T1R7S	1.7	1.9	Yes	
0.4	0.75	0101BA90	MD800-1-2T3S	3	3.5		
0.75	1.5	0101B584	MD800-1-2T5S	5	8		
1.5	2.2	0101BD17	MD800-1-2T8S	8	9.6		
2.2	3.7	0101BA94	MD800-1-2T11S	11	17.6		

Power (kW)		Part number	Model	Output AC current (A)		STO function
HD	ND			HD	ND	
400 V, DC supply voltage: 510-720 VDC						
0.4	0.75	0101B469	MD800-2-4T1R8	1.8	2.1	No
0.75	1.5	01019509	MD800-2-4T3R4	3.4	4.6	
1.5	2.2	0101AK33	MD800-2-4T4R8	4.8	5.4	
2.2	3.7	01019510	MD800-2-4T5R5	5.5	9	
3.7	5.5	01019511	MD800-2-4T9R5	9.5	13	
5.5	7.5	01019512	MD800-2-4T13	13	17	
7.5	11	01019506	MD800-2-4T17	17	21	Yes
0.4	0.75	0101B576	MD800-2-4T1R8S	1.8	2.1	
0.75	1.5	0101B577	MD800-2-4T3R4S	3.4	4.6	
1.5	2.2	0101B579	MD800-2-4T4R8S	4.8	5.4	
2.2	3.7	0101B580	MD800-2-4T5R5S	5.5	9	
3.7	5.5	0101B554	MD800-2-4T9R5S	9.5	13	
200 V, DC supply voltage: 270-360 VDC						
0.2	0.4	0101BA86	MD800-2-2T1R7	1.7	1.9	No
0.4	0.75	0101BA85	MD800-2-2T3	3	3.5	
0.75	1.5	0101BA84	MD800-2-2T5	5	8	
1.5	2.2	0101BA79	MD800-2-2T8	8	9.6	
2.2	3.7	0101BA80	MD800-2-2T11	11	17.6	
0.2	0.4	0101BA83	MD800-2-2T1R7S	1.7	1.9	
0.4	0.75	0101B585	MD800-2-2T3S	3	3.5	
0.75	1.5	0101BD18	MD800-2-2T5S	5	8	
1.5	2.2	0101BD19	MD800-2-2T8S	8	9.6	
2.2	3.7	0101BA87	MD800-2-2T11S	11	17.6	

Part number	Model	Description
01040124	IO-M1	I/O expansion card: 8 DI, 8 DO, 2 AI
01040123	IO-R1	Relay expansion card: 8 relays with normally open contact
01040122	IO-R2	Relay expansion card: 4 relays with changeover contact
01040121	SI-PN1	PROFINET communication card
01040120	SI-ECAT1	EtherCAT communication card
In development	SI-EN	Ethernet IP communication card
In development	SI-EM	Modbus TCP communication card
01040028/20	SOP-20	Remote LCD keypad (inc. 3 m cable)
01040175	MD800-PBJ100M-W1	Rectifier unit cable support bracket
01040176	MD800-PBJ50M-W1	Single or dual drive unit cable support bracket
01040169	MD800-AZB1	Mounting plate for easy assembly of an MD800 set in the electrical panel

*3 ph 400 V input reactors available on request (3% impedance)

For more information, please contact our local offices.

International Offices

Germany-Stuttgart
Tel: +49 (0) 7144 8990
sales.de@inovance.eu

Italy-Milano
Tel: +39 (0) 2268 22318
sales.it@inovance.eu

France-Bordeaux
Tel: +33 (0) 5594 01050
sales.fr@inovance.eu

Turkey-Istanbul
Tel: +90 (216) 706 17 89
info@inovance.eu

South Korea-Seoul
Tel: +82 (0) 2 3489 8850
info@inovance.eu

India
Head Office Chennai
Tel: +91 (0) 44 4380 0201
Ahmedabad
Tel: +91 (0) 79 4003 4274

Mumbai
Tel: +91 (0) 22 4971 5883

New Delhi
Tel: +91 (0) 11 4165 4524

Sales Network in Kolkata, Bengaluru, Coimbatore, Hyderabad, Pune, Vadodara
Email: info@inovance.ind.in

Hong Kong SAR
International Export Office
Tel: +852 2751 6080
info@inovance.eu

For other country distributors, contact the Hong Kong office.

Inovance Technology Companies
Shenzhen Inovance Technology Co. Ltd.
Suzhou Inovance Technology Co. Ltd.

INOVANCE
www.inovance.eu

Power (kW)		Part number	Model	Built-in dynamic braking
HD	ND			
3 ph 400 VAC input				
3.7	5.5	0101B573	MD800-0-4T12	No
7.5	11	0101B572	MD800-0-4T22	
15	18.5	0101B571	MD800-0-4T41	
3.7	5.5	0101AK34	MD800-0-4T12B	Yes
7.5	11	01019507	MD800-0-4T22B	
15	18.5	0101AH51	MD800-0-4T41B	
1 ph 200 VAC input				
2.2	3	0101BA52	MD800-0-2S24	No
3.7	4.4	0101B602	MD800-0-2S40	
2.2	3	0101BA53	MD800-0-2S24B	Yes
3.7	4.4	0101B603	MD800-0-2S40B	

EMC

Category	Filter model	Matched rectifier model
EMC filters (To achieve C2 level)	FIL800-4T-045	MD800-0-4T12*
		MD800-0-4T22*
	FIL800-2S-045	MD800-0-4T41*
		MD800-0-2S24*