



محافظت در برابر خطاهای مکانیکی
مانند اضافه بار و قفل شدن روتور



محافظت و جلوگیری از گرم شدن
بیش از حد مجموعه موتور و درایو



محافظت از موتور و درایو
در صورت خارج شدن
ولتاژ ورودی از محدوده مجاز



تشخیص خطای دو فاز شدن موتور



حفاظت ورودی و خروجی های درایو



تشخیص خطای قطع
فرمان ورودی



تشخیص خطای قطع
فرمان ورودی



دارای پورت
CAN و RS485



درایور

سری NMPD3

nemamotor.ir

	NMPD3-3000P48V	NMPD3-5000P72V
Rated voltage	48V (36-64)	72V (54-90)
Rated current	68A	76A
Peak current	130A	150A
Rated power	3000W	5000W
Nominal efficiency	>94%	>94%
Switching frequency	16khz	16khz
Control mode	Speed Control	Speed Control
Position feedback	Hall effect sensor / incremental encoder	Hall effect sensor / incremental encoder
Speed reference	Analog / pulse frequency / pulse width	Analog / pulse frequency / pulse width
Ramp time	2-8s	2-8s
Temperature range	-20~55°C	-20~55°C
Protection class	IP65	IP65
	NMPD3-7000P72V	NMPD3-7000P96V
Rated voltage	72V (54-90)	96V (72-120)
Rated current	105A	80A
Peak current	210A	160A
Rated power	7000W	7000W
Nominal efficiency	>94%	>94%
Switching frequency	16khz	16khz
Control mode	Speed Control	Speed Control
Position feedback	Hall effect sensor / incremental encoder	Hall effect sensor / incremental encoder
Speed reference	Analog / pulse frequency / pulse width	Analog / pulse frequency / pulse width
Ramp time	2-8s	2-8s
Temperature range	-20~55°C	-20~55°C
Protection class	IP65	IP65

Pin	Name	Description
1	BAT_VCC	Battery voltage
2	*	Reserved. Only for factory use
3	Throttle	Analog input (0-3.3 V). Throttle input
4	GND	Ground. Used to throttle supply
5	3v3	3.3 V to throttle supply
6	3v3	3.3 V to motor hall sensors supply
7	GND	Ground. Used to motor hall sensors supply
8	HALL W	Hall sensor input (phase w)
9	HALL V	Hall sensor input (phase v)
10	HALL U	Hall sensor input (phase u)
11	CAN L	CAN bus low signal
12	BAT_GND	Battery voltage
13	*	Reserved. Only for factory use
14	NC	Not connected
15	Drive Mode	Digital Input. Used to change the driving mode. "12v" True
16	GND	Ground
17	Charger	Charger sensor input." GND" True
18	SOH	State of health Display ¹
19	TempBAT	Temperature sensor input (PTC)
20	TempMot_1	Temperature sensor input (PTC)
21	TempMot_2	Temperature sensor input (PTC)
22	CAN H	CAN bus High signal
23	Earth	This pin must connect to the driver's heatsink
24	DC/DC+	12v DC/DC input. Reference of this voltage is BAT_GND
25	*	Reserved. Only for factory use
26	*	Reserved. Only for factory use

