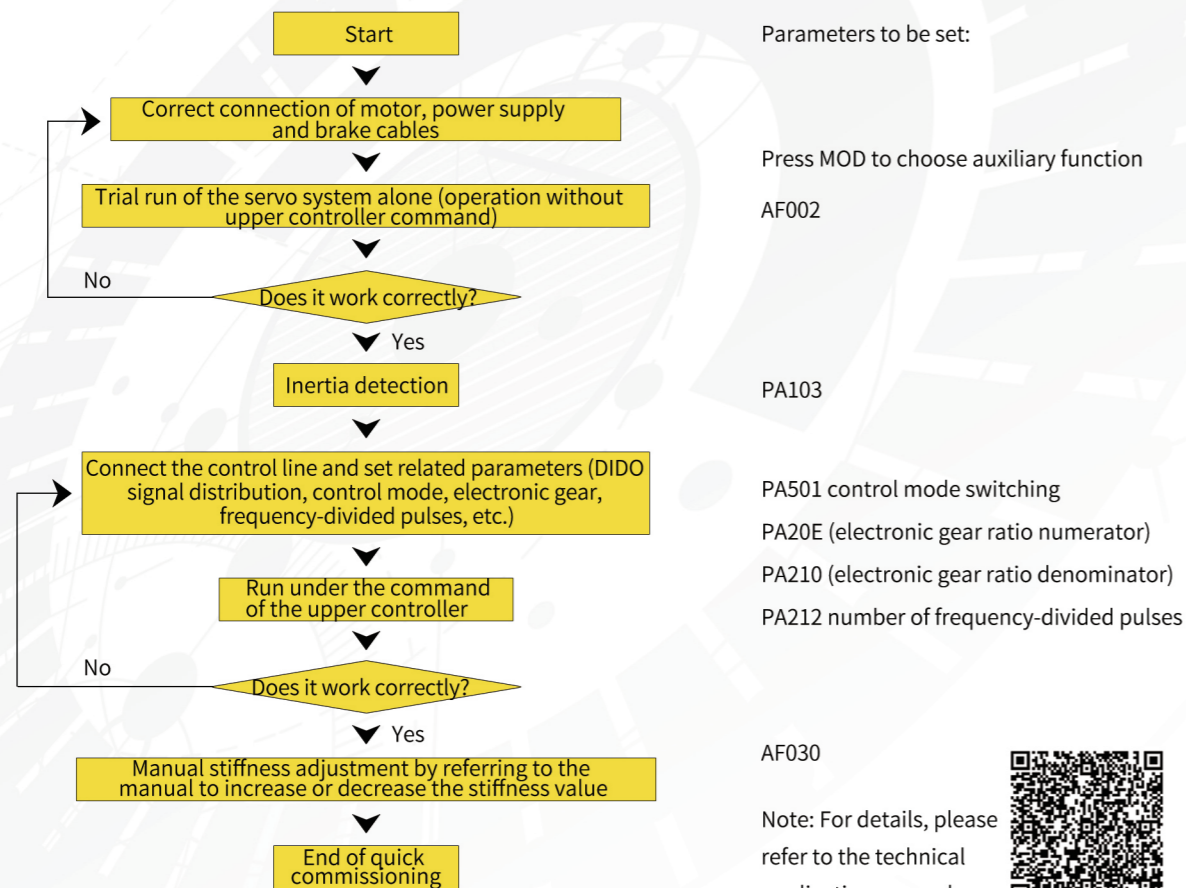


Power Specifications and Dimensions

Product dimension						
DS2P	04A	08A	10A	15A		
Power	400W	750W	1kW	1.5kW		
Length (mm)	170	170	185	185		
Width (mm)	50	50	63	63		
Height (mm)	160	160	180	180		
DS2P power specifications						
Rated output power (A)	1.4	1.6	2.8	4.8	7.6	10.0
Instantaneous maximum output current (A)	4.9	5.6	9.8	16.8	26.6	30.0
Communication	USB, RS485					
Motor feedback	17-bit single/multi-turn absolute magnetic encoder					
	23-bit single/multi-turn absolute optical encoder					
Input/output	Digital: 6 input ports, 4 output ports					
	Pulse: Symbol+pulse sequence, CW+CCW pulse sequence, 90° phase difference two-phase pulse (Phase A + Phase B)					

Note: If you need to use 100W/200W power section, you can choose 400W model

Quick Commissioning Wizard



DORNA™

DS2P Servo Drive

400W / 750W / 1000W / 1500W



⚡ Velocity loop frequency response up to 1.6kHz

⚙️ 4-stage notch filter can be set to suppress mechanical system resonance

📄 High resolution 23-bit absolute encoder available

🕒 Short positioning setting time

High performance |
 Fast response |
 High overload capacity |
 Easy to commission

History

2006
Jiashan Dorna Electronics was established in the Science and Technology Innovation Center

2010
The servo drive project was supported by the National Innovation Fund and was chosen as the major key science and technology special project of Zhejiang Province

2020
The new product DS2P was introduced to the market

2007
The first servo drive was successfully developed

2017
Midea Group acquired Servotronics Motion Control Corporation

2022
Enhanced version of DS2P was launched

2006 2007 2010 2017 2020 2022

Drive Order Information

DS2 P - 08 A S * ****
 ① ② ③ ④ ⑤ ⑥

① Product type	
P	Pulse type

③ Voltage supply	
A	220V

⑥ Factory code	
None	Standard

② Rated output power	
04	400W
08	750W
10	1kW
15	1.5kW

④ Encoder type	
S	Serial encoder interface

⑤ Non-standard specifications	
None	General specifications

Motor Naming Rules

DM 1 M - 04 A 60 J 8 S - **
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① Product type	
1	Design order
2	Design order

④ Voltage supply	
A	220V

⑦ Shaft end	
7	Straight shaft without key
8	Straight shaft with key and hole

② Type of inertia	
S	Small inertia
M	Medium inertia
H	Large inertia
G	Super large inertia

⑤ Flange size number	
40	<input type="checkbox"/> Flange size 40
60	<input type="checkbox"/> Flange size 60
80	<input type="checkbox"/> Flange size 80
100	<input type="checkbox"/> Flange size 100
110	<input type="checkbox"/> Flange size 110
130	<input type="checkbox"/> Flange size 130

⑧ Options	
1	No options
B	With brake
S	With oil seal
E	With oil seal, brake

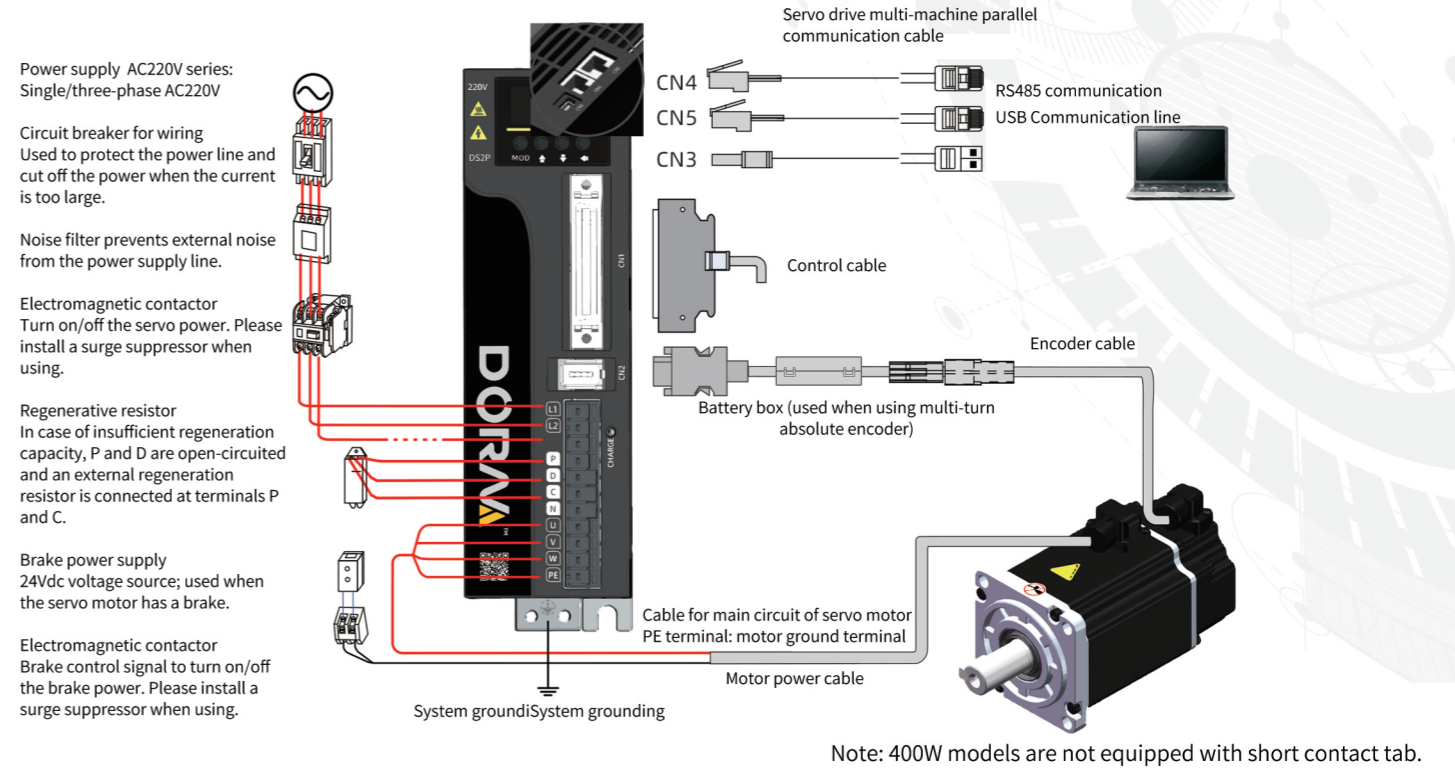
③ Rated output	
01	100W
02	200W
04	400W
08	750W
09	900W
10	1.0kW
13	1.3kW
15	1.5kW
18	1.8kW
20	2.0kW

⑥ Encoder type	
I	17-bit single-turn absolute magnetic encoder
J	17-bit multi-turn absolute magnetic encoder
M	23-bit single-turn absolute optical encoder
L	23-bit multi-turn absolute optical encoder

⑨ Special specifications	
None	Standard product
-**	Customer custom code

Note: The naming rules only describe the symbol content; not all symbol combinations available.

Drive Motor Matching Table



Flange size	Power(W)	Inertia class	Motor model	DS2P-04AS	DS2P-08AS	DS2P-10AS	DS2P-15AS
□40	100	Medium inertia	DM1M-01A40□□□	✓			
	200	Medium inertia	DM1M-02A60□□□	✓			
□60	400	Super large inertia	DM1G-04A60□□□	✓	⚠		
		Large inertia	DM1H-04A60□□□	✓	⚠		
		Medium inertia	DM2M-04A60□□□	✓	⚠		
□80	750	Large inertia	DM1H-08A80□□□		✓	⚠	
		Medium inertia	DM2M-08A80□□□		✓	⚠	
□100	1000	Medium inertia	DM1M-10A80□□□			✓	⚠
	1500	Medium inertia	DM2M-10A100□□□			✓	⚠
		Medium inertia	DM2M-20A100□□□				✓
□110	1000	Medium inertia	DM2M-10A110□□□			✓	⚠
	1500	Medium inertia	DM2M-15A110□□□				✓
		Medium inertia	DM2M-20A110□□□				✓
□130	900	Medium inertia	DM1M-09A130□□□			✓	⚠
		Small inertia	DM1S-09A130□□□			✓	⚠
	1000	Small inertia	DM1S-10A130□□□			✓	⚠
		Medium inertia	DM1M-13A130□□□				✓
	1500	Small inertia	DM1S-15A130□□□				✓
		Medium inertia	DM1M-18A130□□□				✓
2000	Small inertia	DM1S-20A130□□□				✓	

✓ represents the standard set model.
 ⚠ represents the compatible model, but not a standard set model.
 ✓ represents the standard set model, but with reduced overload capacity.