



CP100

Dedicated VFD for water supply

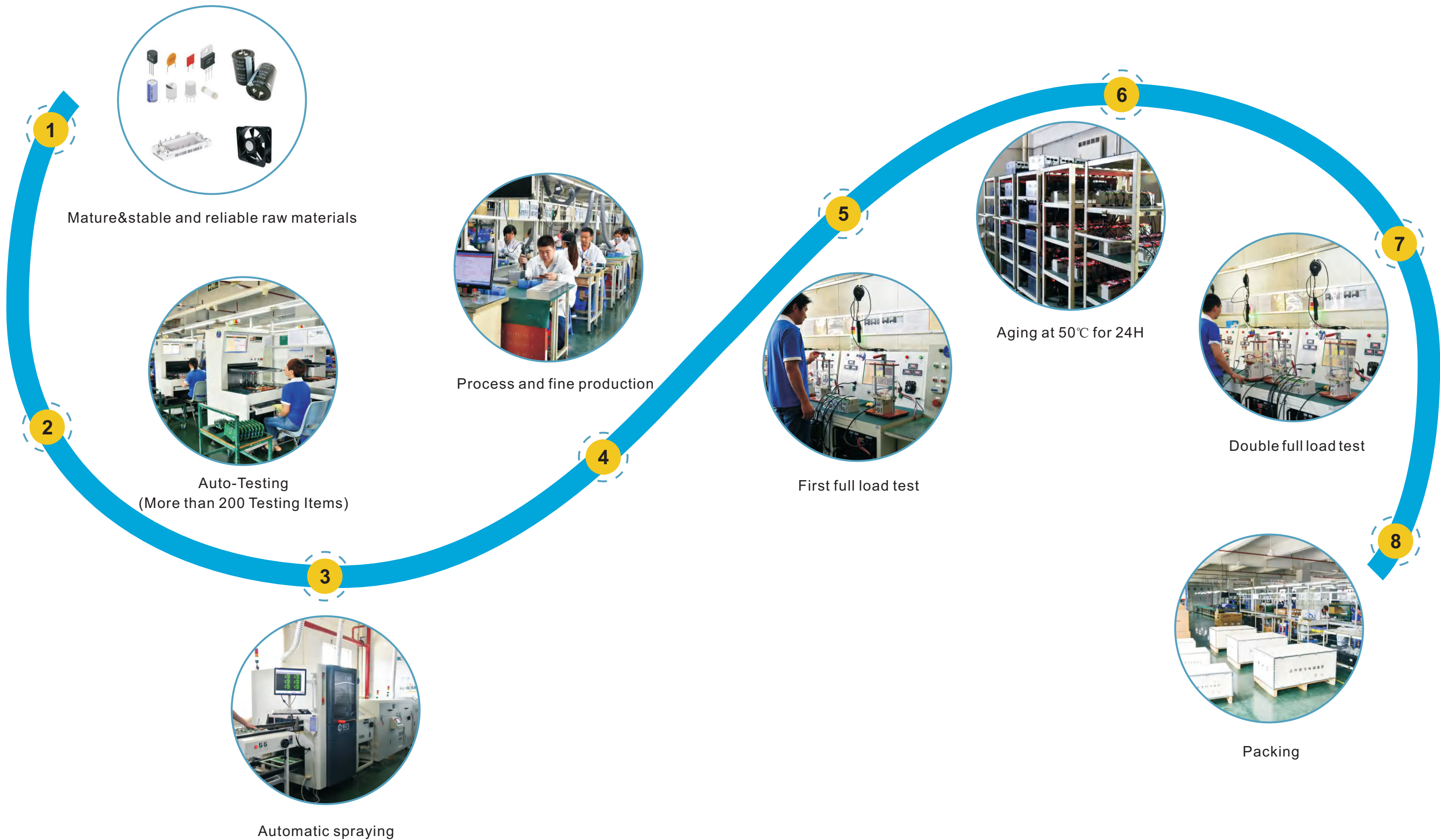
Shenzhen Socon Electric Co.,Ltd.

Add:Building B, Langxin Commercial Center, Langxin Community,
Shiyan Street, Bao'an District, Shenzhen, China.

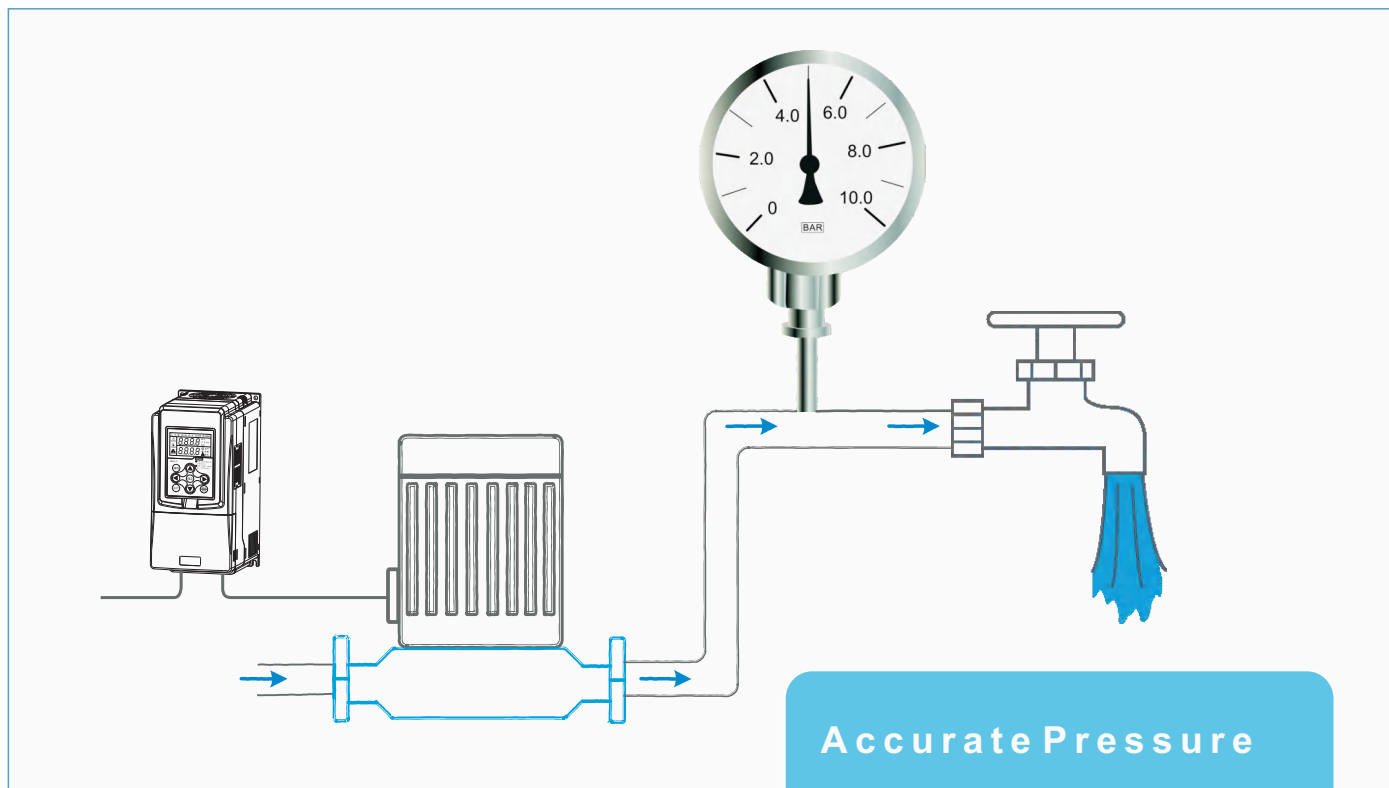
Web:www.socon.com.cn



Quality Control



Accurate Pressure



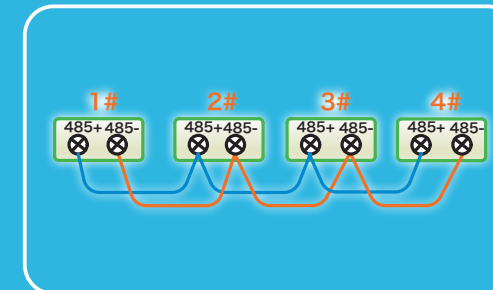
Accurate Pressure

- ◆ CP100 built-in special PID function for water supply can realize accurate and constant pressure water supply
- ◆ Rapid response to sudden change of water pressure to ensure rapid recovery of water pressure.
- ◆ Switch pump smoothly without pressure fluctuation.

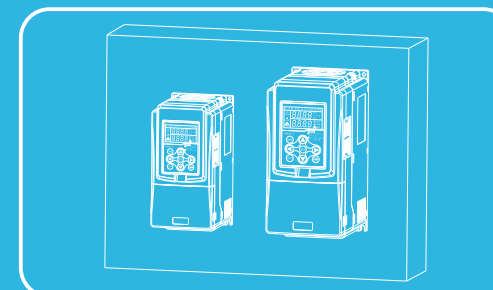
Simple To Use



Mostly, 3 to 5 parameters setting is enough to working.



Simple wiring, RS485 Modbus communication enough to build on a set of multi pump system. (Maximum 4 pumps)



Save installation space.

On the premise of ensuring the heat dissipation and reliability of VFD, the volume shall be reduced as much as possible.



One pressure sensor of whole multi pump system.

Abundant Functions



『 Auto-Adjustment & Unattended 』

One key start, the system runs automatically; Automatic wake-up and sleep; Automatically add or remove the pump and always maintain constant pressure; Automatically adjust the frequency of each pump to achieve the best energy-saving effect.



『 Multi pumps rotation 』

The master pump and slave pump can operate alternately regularly to prolong the service life of the system.



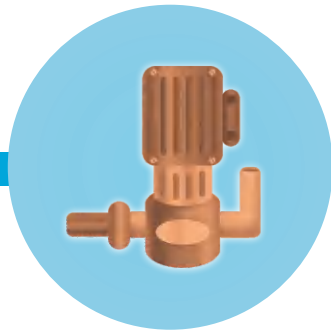
『 Redundancy design 』

In the multi pump system, the dual master mode can be set. When one master fails and stops, the other master will automatically put into operation to ensure the continuous water supply of the system.



『 Multiple protection 』

Built in completed water pump, VFD and pipe network pressure protection function to ensure the long-term stable and reliable working.



『 Intelligent anti rust and freezing 』

The water pump that has not worked for a long time in the water shall be working regularly to avoid the normal use of the water pump due to rust or freezing.



『 Automatic restart 』

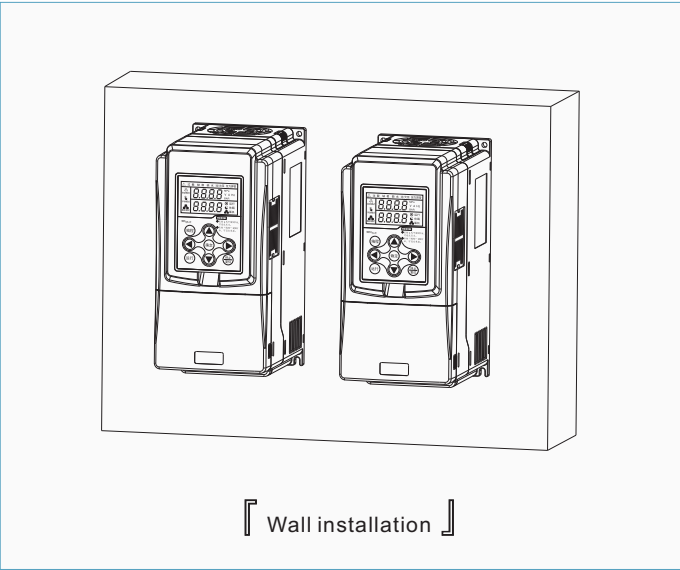
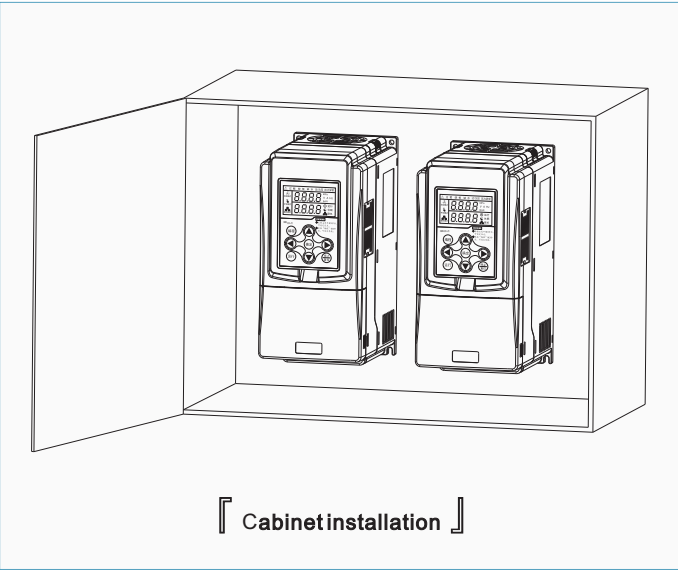
After power failure and recovery, CP100 will automatically put into operation to ensure continuous water supply.

Model Rule

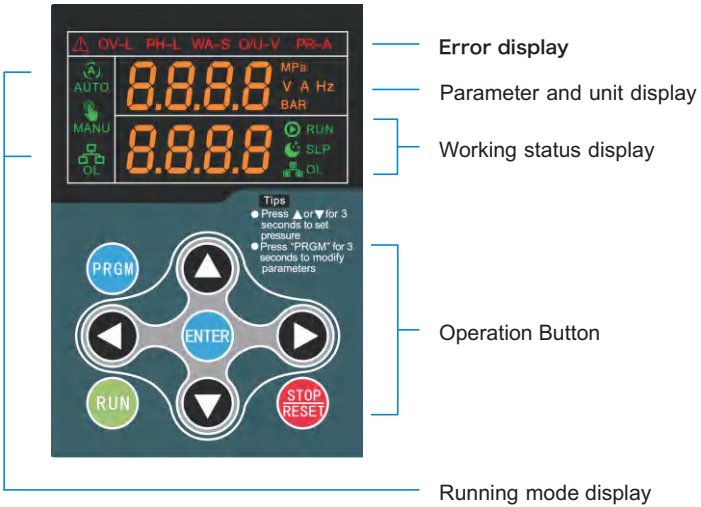
CP100 - 4 T - 4P0 G

①	CP100 series dedicated VFD for water supply
②	Input voltage level 2:220V 4:380V
③	Input phase S:single phase 1PH T:three phase 3PH
④	Power 0P7:0.75KW 1P5:1.5KW 4P0:4.0KW
⑤	Load type G:General

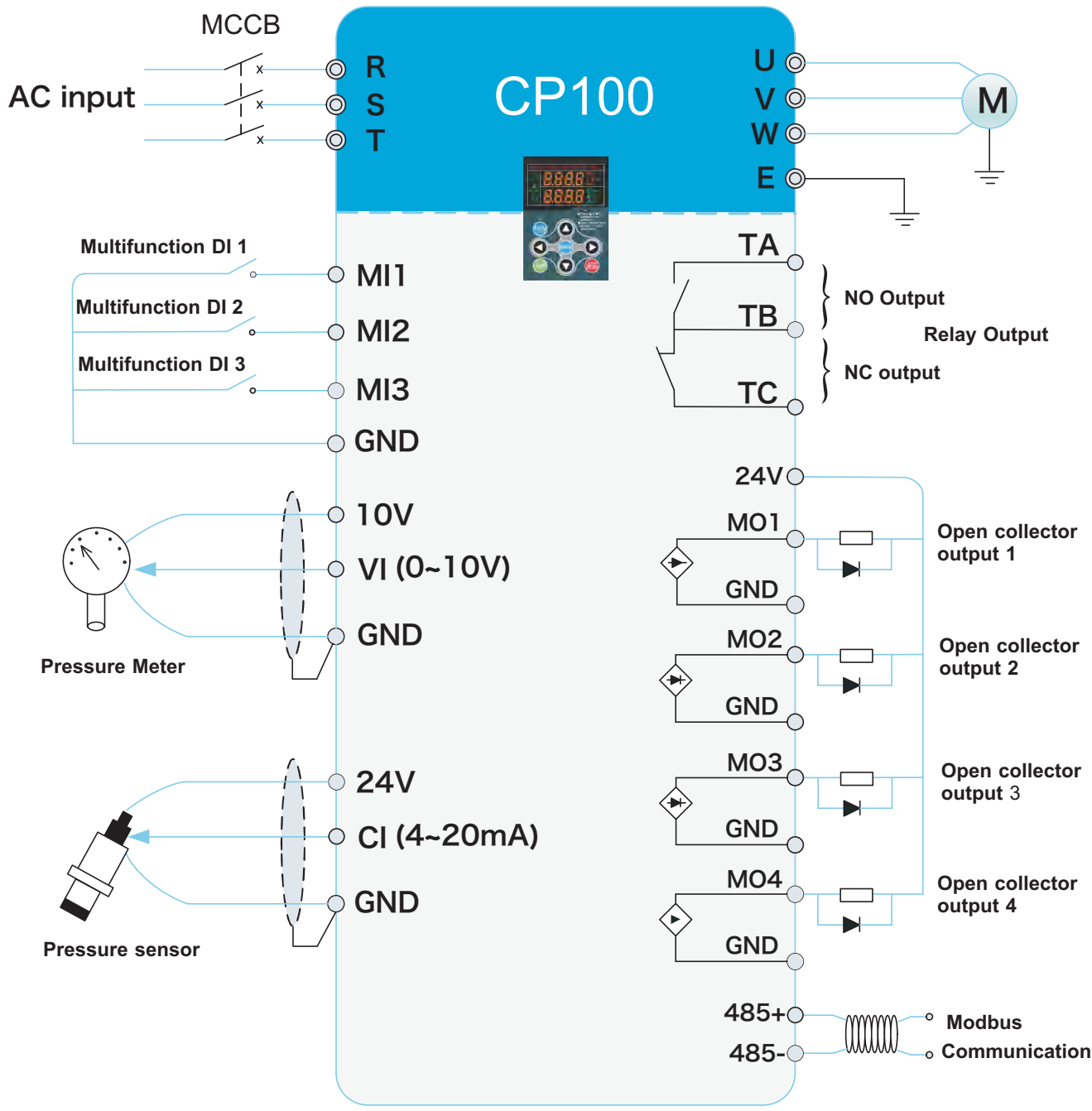
Installation Method



Keypad



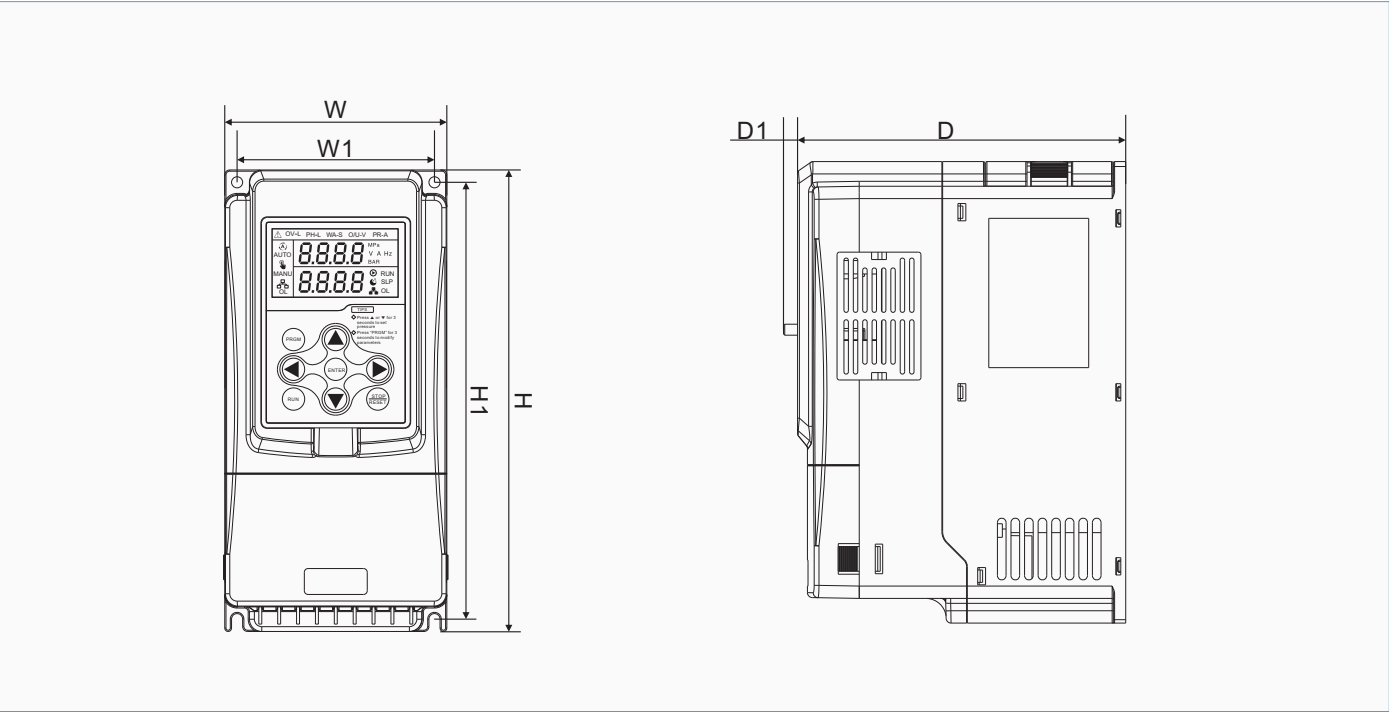
Diagram



0.75-7.5KW Diagram

Please refer to the instructions for the wiring diagram of power section of 11KW and above.

Specification



Product Selection

Dimension

Model	Output Power (KW)	Output Current (A)	W (mm)	H (mm)	D (mm)	W1 (mm)	H1 (mm)	D1 (mm)
1PH 220V			90	187	133	80	177	5.7
CP100-2S-0P7G	0.75	4						
CP100-2S-1P5G	1.5	7						
CP100-2S-2P2G	2.2	9.6	100	207	142	90	197	5.7
3PH 380V								
CP100-4T-0P7G	0.75	2.8						
CP100-4T-1P5G	1.5	4.4						
CP100-4T-2P2G	2.2	5.8						
CP100-4T-4P0G	4	10						
CP100-4T-5P5G	5.5	13	130	247	162	115	236.5	5.7
CP100-4T-7P5G	7.5	17						

Model	Output Power (KW)	Output Current (A)	W (mm)	H (mm)	D (mm)	W1 (mm)	H1 (mm)	D1 (mm)
3PH 380V			160	272	201	146	259	8
CP100-4T-011G	11	25						
CP100-4T-015G	15	32						
CP100-4T-018G	18.5	37	211	313	205	196	299	8
CP100-4T-022G	22	45						
CP100-4T-030G	30	60						
CP100-4T-037G	37	75	252	418	206.9	201	399	8
CP100-4T-045G	45	90						
CP100-4T-055G	55	110						
CP100-4T-075G	75	152	299	603	276.7	240	581	8
CP100-4T-093G	93	176						
CP100-4T-110G	110	210						
CP100-4T-132G	132	253	338	643	312	280	619	8
CP100-4T-160G	160	304						
CP100-4T-185G	185	340						
CP100-4T-200G	200	380	410	803	383.7	320	776	8
CP100-4T-220G	220	426						
CP100-4T-250G	250	465						
CP100-4T-280G	280	520	650	1078.8	430.2	520	1046.8	8
CP100-4T-315G	315	585						
CP100-4T-355G	355	650						
CP100-4T-400G	400	725	800	1320	438	700	1280	8
CP100-4T-450G	450	820						

Application field



Overseas Network



Domestic Network

