

机器人控制系统 ROBOT CONTROL SYSTEM

搭载配天全自主开发的机器人控制系统软件 ARCS，高效满足机器人对高速度、高精度运动控制性能及高可靠性的需求，实现更精确的轨迹控制及更快节拍的应用执行。

配天机器人拥有领先的驱控一体化技术，其 inCube 系列结构十分紧凑、小体积、高功率密度，具有高效的散热方案，丰富的高级功能。连续多年荣获业内知名媒体高工机器人网的“年度技术创新奖—金球奖”。

Equipped with the system software ARCS with independent property rights, the robot controller developed by Peitian, perfectly meets the demands for higher speed, higher precision and higher reliability of the robot, thus provides more accurate trajectory control and higher production efficiency for customers.

Peitian Robot has leading integrated control technology. Its inCube™ series integrated control system is small, compact, with high power density. It has efficient thermal cooling solution and rich advanced functions. The inCube™ series has won the "Annual Technology Innovation Award – Golden Globe Award" by the well-known media GaoGong Robot many years in a row.



inCube20



inCube22



inCube2S-6



inCube2S-20

型号 Type	inCube20	inCube22	inCube2S-6	inCube2S-20
尺寸 (宽×高×深) Dimension (Width×Height×Depth)	420×151×455(mm)	420×151×455(mm)	364×135×283(mm)	364×135×333(mm)
重量 Weight	20kg	20kg	11kg	13kg
保护等级 Protection	IP40			
运行环境温度 Temperature range	0~45°C			
输入电源 Power supply	单相 Single-phase 220VAC -10%~+10% 49~ 61Hz			
最大输入功率 Max. input power	2.2KVA	3.5KVA	2.2KVA	2.2KVA
IO 数量 Amount of IO	26 User DI (PNP&NPN) , 26 User DO (NPN) 18 Safety IO			

外形尺寸 Outline dimension



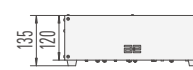
正视图 Front view



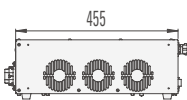
正视图 Front view



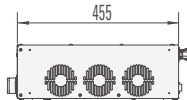
正视图 Front view



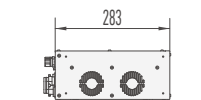
正视图 Front view



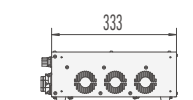
左视图 Side view



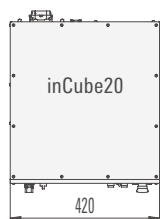
左视图 Side view



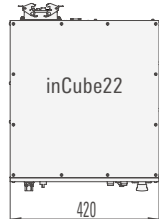
左视图 Side view



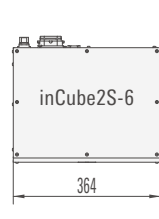
左视图 Side view



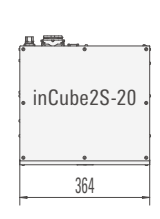
俯视图 Top view



俯视图 Top view



俯视图 Top view



俯视图 Top view



ARC4-50/ARC4-75

ARC4-165

ARC5-12

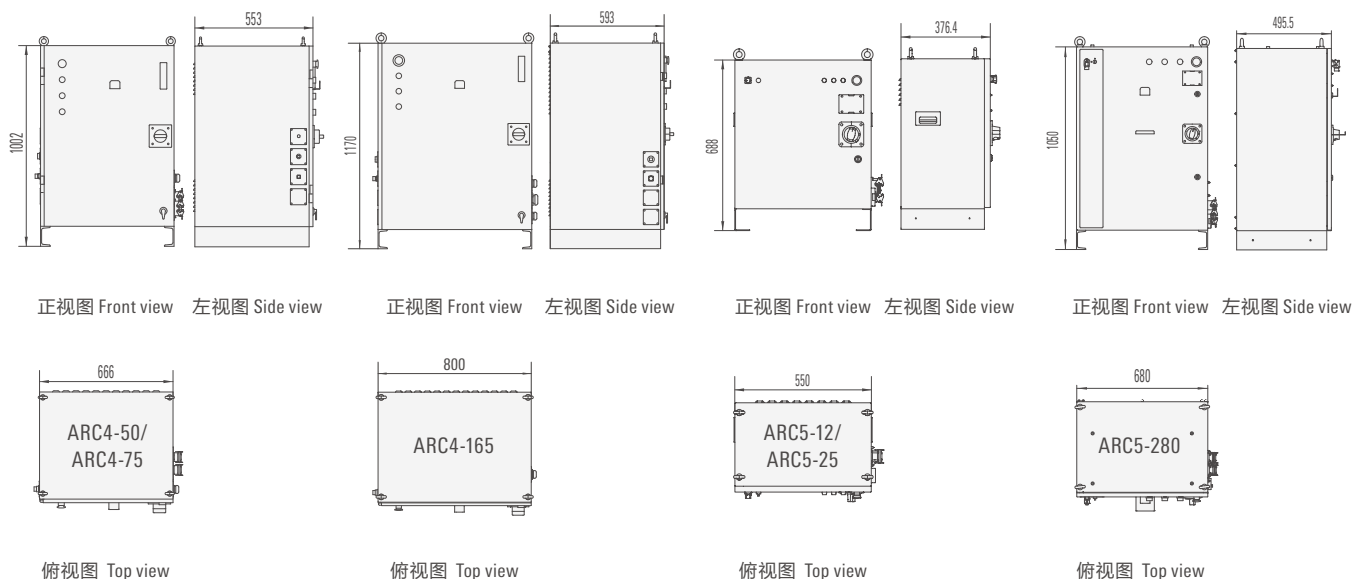
ARC5-25

ARC5-280

型号 Type	ARC4-50/ARC4-75	ARC4-165	ARC5-12	ARC5-25	ARC5-280
对应机器人本体型号 Robots Applicable	AIR50-2230/AIR75-2100	AIR165-2750	12kg 以下负载本体 manipulators of payload ≤12kg	25kg 以下负载本体 manipulators of payload ≤ 25kg	50kg 以上负载本体 manipulators of payload ≥ 50kg
尺寸 (宽 × 高 × 深) Dimension (Width×Height×Depth)	666×1002×553(mm)	800×1170×593(mm)	550×688×380(mm)	550×688×380(mm)	680×1050×496(mm)
重量 Weight	180kg	270kg	63kg	72kg	140kg
保护等级 Protection	前部 Front IP54 后部 Rear IP23		前部 Front IP54 后部 Rear IP20		
运行环境温度 Temperature range	0~40°C		0~45°C		
输入电源 Power supply	三相 Three-phase 380VAC -10% ~ +10% 49 ~ 61Hz		单相 Single-phase 220VAC -10% ~ +10% 49 ~ 61Hz		三相 Three-phase 380VAC -10% ~ +10% 49 ~ 61Hz
最大输入功率 Max. input power	8KVA	13KVA	2.2KVA	3.5KVA	9.5KVA
IO 数量 Amount of IO	40 User DI (PNP) , 40 User DO (PNP)		26 User DI (PNP&NPN) , 26 User DO (NPN) 18 Safety IO		

* ARC5 系列控制柜出厂前可选配 74DI/74DO, 具体请联系销售。
ARC5 series controllers support 74DI/74DO optional. Please contact sales for more details.

外形尺寸 Outline dimension



ARC4-50/ARC4-75/ARC4-165/ARC5-12/ARC5-25/ARC5-280