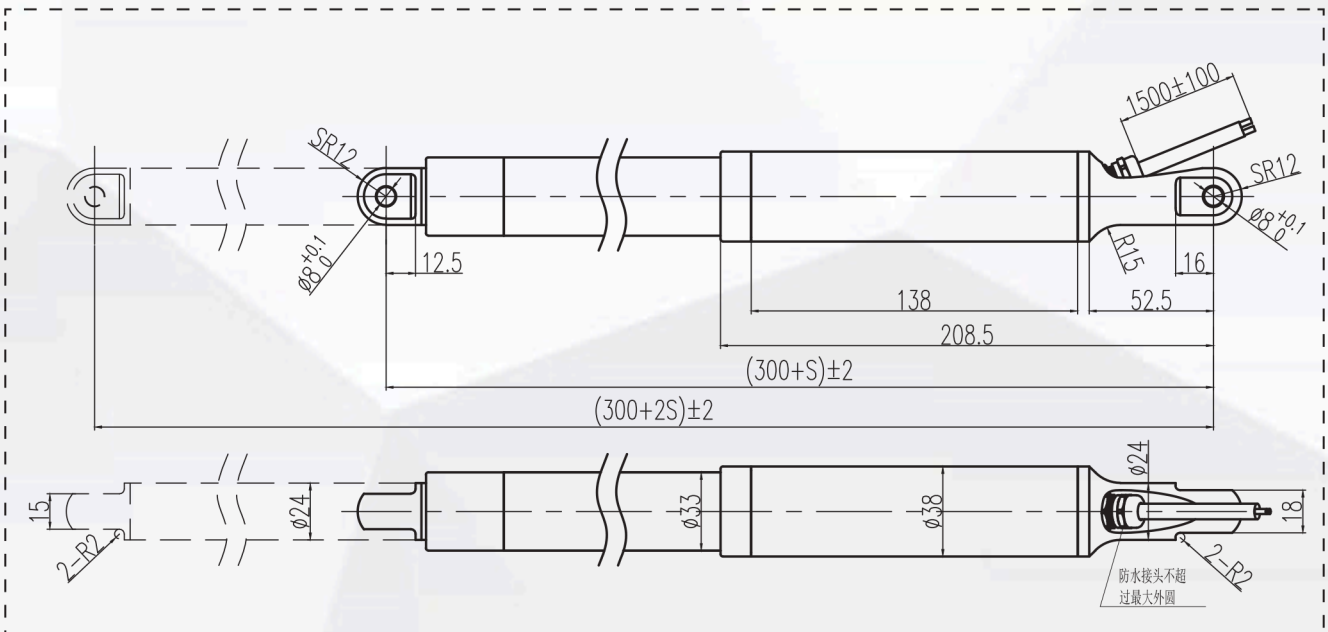
i6SS

FEATURES AND BENEFITS

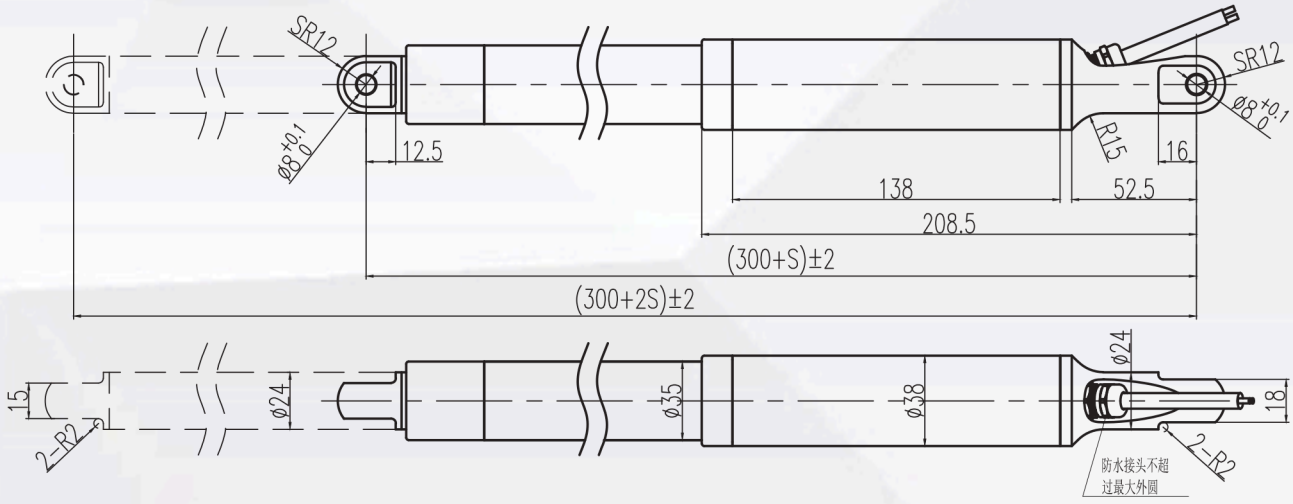
- **i6SS** is created specially for the bioclimatic pergola, where the water proof, elegant design, trouble free, compact size are crucial.
- With max load capacity 2500N, customized stroke length and forces, the **i6SS** can be used for different types and sizes of the bioclimatic pergolas.
- **i6SS** can withstand very harsh environments because of its IP67M, IP69K protection design and special materials used to fit the pergola market.
- Maintenance-free, Easy Installation, Trouble free are also the main features.
- **i6SS** can work smoothly , quietly and precisely to guarantee its excellent performance on world famous brands pergola.
- 5 years warranty is offered.

DIMENSION



Aluminum Version (mm)

The dimensional tolerance not shown in the drawing can refer to ISO2768-mk



Stainless Steel Version (mm)

The dimensional tolerance not shown in the drawing can refer to ISO2768-mk

SPECIFICATIONS AND OPTIONS

Voltage	12VDC	24VDC	**Duty cycle**	10%, 2 minutes continuous use followed by 18 minutes in rest
No load current	≤1.2A	≤0.6A	**Life time**	≥10000 cycles
Load current	≤3.8A	≤1.8A	**Working temperature**	-20°C ~ 60°C
Max power	50W		**Storage temperature**	-40°C ~ 70°C
Stroke	20-400mm (stroke can be customized)		**Material of lead screw**	# 45 steel
Limit switches	Built- in		**Material of push rod**	SUS316
Installation length(min)	300+S("S" for stroke)		**Material of push nut**	Engineering plastic
Noise level on load	≤56dB		**Standard color**	Metal color
Protection class	IP67M/IP69K		**Standard cable length**	1.5m (cable length can be customized)
Backlash	0.5-1mm		**Certification**	CE

Options: Over current protection , Hall sensor feedback, Aluminum version, Stainless steel version

FORCES AND SPEEDS

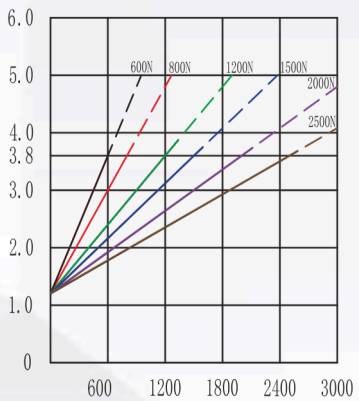
Push force	Pull force	Self-locking force	Speed on load	No load speed
600	600	600	10.5	13
800	800	800	7	8.5
1200	1200	1200	4.5	5
1500	1500	1500	4	5
2000	2000	2000	2.8	3.3
2500	2500	2500	2.3	3.3

CURVE

Accuracy of speed or current : ±15%, in general, applications in the dashed are not recommended.

CURVE(Force/ current)

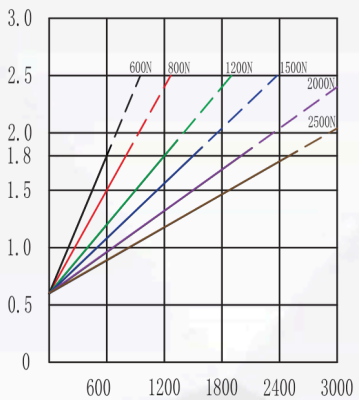
Current(A)-12VDC



Force(N) Pull-push force

CURVE(Force/ current)

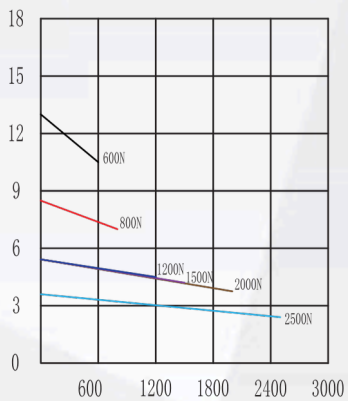
Current(A)-24VDC



Force(N) Pull-push force

CURVE(Speed/force)

Speed （mm/s）



Force(N) Pull-push force

MOUNTING BRACKETS