



宏于電機股份有限公司
HORNGYU ELECTRIC CO., LTD.

Have your
ELECTRICITY CONNECTED

承諾 當責 創新 服務
Commitment Responsibility Innovation Service



HORNG YU Intelligent switchgear & Smart iPanel
won the Taiwan Excellence Award 2021
宏于電機的智慧化配電盤榮獲2021年台灣精品獎

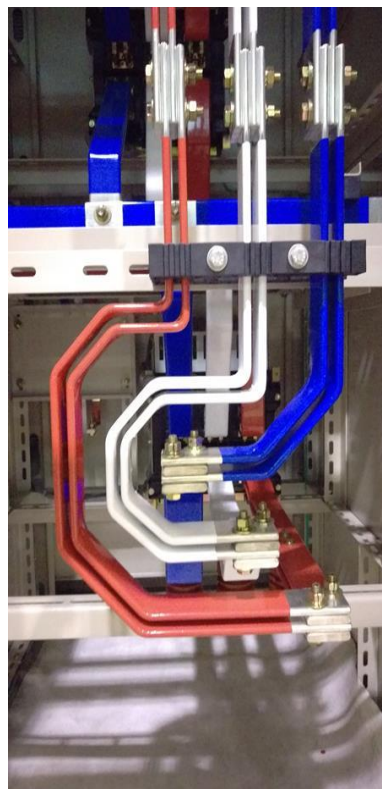
HORNG YU
ELECTRIC CO., LTD.

Smart iPanel

Industry type : Productivity and energy

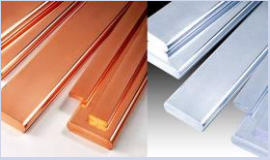
Product model number : IS-24 /IS-06

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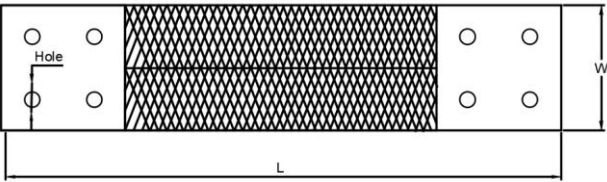
Busbar division –Products presentation 銅排事業處 產品簡介

Product Categories	Reference photos	Web. Link
Raw Materials 紅銅素材		https://www.horngyu.com/busbar-material.html
Busbar processing 銅排加工	 	https://www.horngyu.com/busbar-fabrication.html
Braided Flexible Connector 軟銅帶		https://www.horngyu.com/braided-flexible-connector.html
Copper Laminated Connector 軟銅片		https://www.horngyu.com/copper-laminated-connector.html
鋁排加工 Aluminum processing		https://www.horngyu.com/aluminum-busbar.html
水刀切割代工 Water Cutting OEM	 	https://www.horngyu.com/water-cutting.html

Braided Flexible Connector 軟銅帶

BRAIDED TYPE

Flexible Copper Busbar Connector



How to select the specification meet to requirements :

If the required full loading current is at range of 1500~1600A with specification width 80(W) , we would suggest to select 80*12(T) , with cross-sectional 480mm² (Loading Current Max. 1526A)

or, if the requested Width is 50(W), full loading current is 1500~1600A, we would suggest 50*10(T), with cross-sectional 225mm² x 2 layers , Loading Current around 1500~1600A Maximum. (due to heat dissipation parameter)

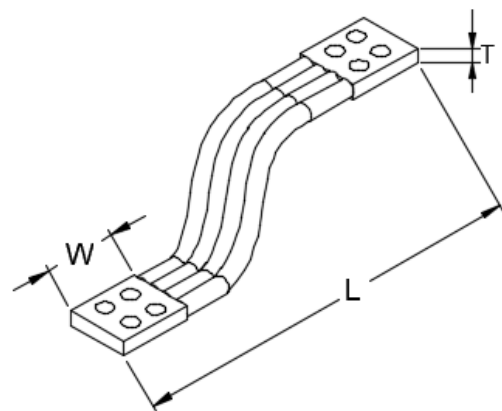
Width (mm)	Thickness (mm)	Cross-sectional (mm2)	Current (A)
40	5	96	420
	10	192	715
	12	240	844
	15	288	956
50	5	150	582
	10	225	875
	12	300	1080
	15	375	1277
60	5	190	700
	10	285	1000
	12	380	1254
	15	475	1472
80	5	192	672
	10	384	1300
	12	480	1526
	15	576	1716
100	5	300	1097
	10	450	1650
	12	600	2044
	15	750	2409
120	5	380	1276
	10	570	1920
	12	760	2401
	15	950	2812
150	5	438	1397
	10	657	2100
	12	876	2619
	15	1095	3055
180	10	570	1977
	13	855	2897
200	10	600	2073
	13	900	3072

x 2 layers ,
Loading Current to
meet 1500~1600A
Maximum

Braided Flexible Connector 軟銅帶

ROPED TYPE

Flexible Copper Busbar Connector



How to select the specification meet to requirements :

If the required full loading current is at range of **1700~1800A** with specification width 120(W) , we would suggest to select 120(w)*10(T) , with cross-sectional 600mm² (Loading Current Max. 1920A).

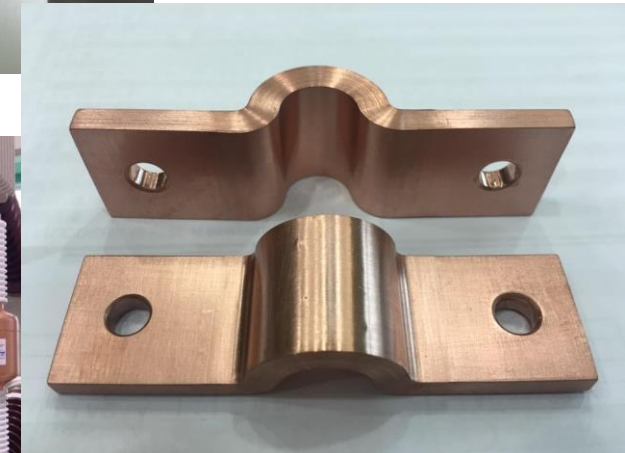
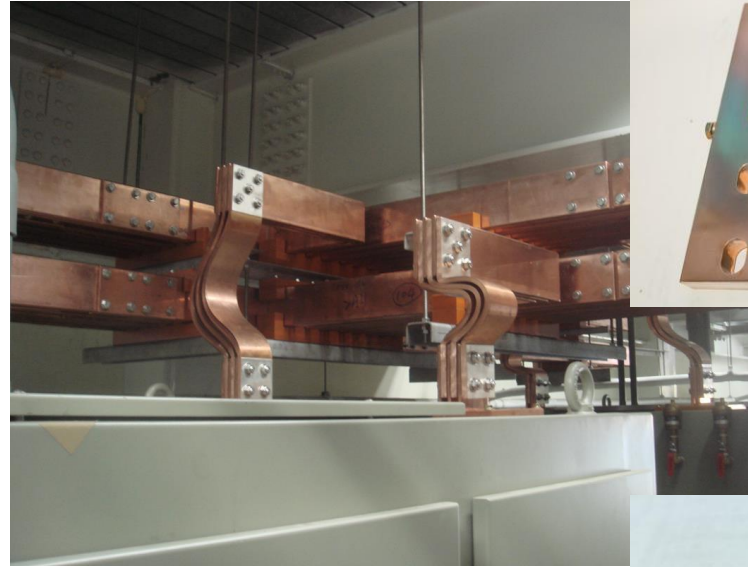
Specification (mm)	Current (A)	Cross-sectional (mm2)	A/mm2
6Tx37Wx260L	382	100	3.82
6Tx43Wx280L	450	125	3.60
6Tx58.7Wx300L	612	175	3.50
6Tx67wx320L	680	200	3.40
6Tx80Wx360L	650	200	3.25
10Tx30Wx260L	573	150	3.82
10Tx40Wx280L	715	200	3.58
10Tx50Wx300L	875	250	3.50
10Tx60Wx320L	1000	300	3.33
10Tx80Wx360L	1300	400	3.25
10Tx100Wx400L	1650	500	3.30
10Tx120Wx400L	1920	600	3.20
10Tx150Wx400L	2200	750	2.93
10Tx180Wx400L	2400	600	4.00
10Tx200Wx400L	2400	650	3.69
13Tx53Wx300L	1050	300	3.50
13Tx63Wx320L	1250	375	3.33
13Tx80Wx360L	1700	525	3.24
13Tx104Wx400L	1980	600	3.30
13Tx124Wx400L	2400	750	3.20
13Tx153Wx400L	2700	900	3.00
14Tx174Wx400L	2650	975	2.72
14Tx200Wx400L	3100	1125	2.76

Copper Laminated Connector 軟銅片

Laminated copper connection , with high conductivity over 99% copper foil. With its high flexibility, It is an ideal solution in your projects with more possibility.

Various applications with features :

- * High flexibility
- Vibration absorbable
- * Offset adjustable
- High Resistance in corrosive environments.





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THANK YOU

