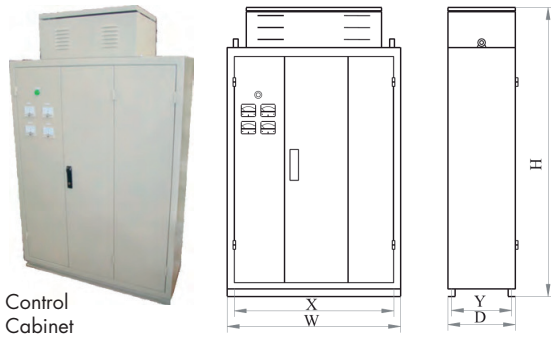
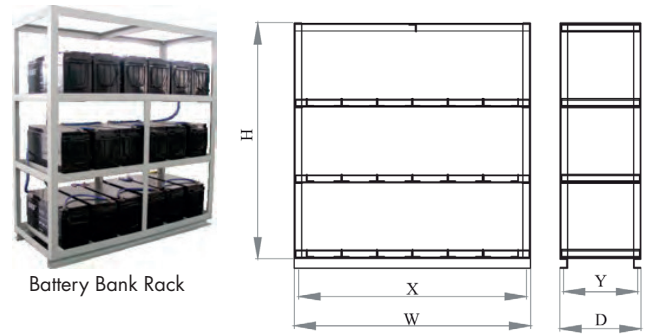


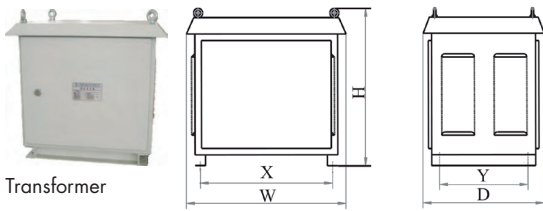
Large Lifting and Separation System Controllers



Control Cabinet



Battery Bank Rack



Transformer

- The EMD-100 Electromagnetic Control System consists of 3 primary usually mounted on the crane girder components - a) the main control cabinet b) Transformer cabinet c) Battery backup accumulator unit (if specified or required)
- The EMD-100 rectifies a 3-Phase AC power supply through rectifier transformer to obtain 220V DC through bridge rectifier unit. Each cabinet consists of auto air switch, rectifier transformer, rectifier unit, DC contactors, etc., The circuit has safe protections like short circuit and over voltage. It has the advantage of a simplified structure, reliable performance and ease of maintenance.
- The Battery Backup unit is designed to switch power supply in case of sudden failure during operation. The attached materials will be guaranteed not to fall down during its sustaining mechanism, and thus ensure the material be placed down securely through the windlass crane brake.

Product Code: EMD-100

All dimensions in metric units

Corollary Unit		Overall dimension for reference					Rated Power (kW)	Phase	Output Voltage (V)	Nett Wt (Kgs)	
Name	Model	W	D	H	X	Y					Mounting hole
Control Cabinet	EMD100-3E-C	900	450	1300	850	400	4 - Ø14	3	2	110	120
	EMD100-4E-C	900	450	1500	850	400		4	2	220	
	EMD100-7E-C	900	450	1500	850	400		7	3	220	135
	EMD100-9E-C	1000	450	1500	950	400		9	3	220	180
	EMD100-14E-C	1000	450	1500	950	400		14	3	220	230
	EMD100-19E-C	1000	450	1500	950	400		19	3	220	240
	EMD100-25E-C	900	450	1300	850	400		25	3	220	220
	EMD100-32E-C	900	450	1300	850	400		32	3	220	230
	EMD100-38E-C	1000	450	1400	850	400		38	3	220	250
EMD100-45E-C	1000	450	1400	850	400	45	3	220	280		
Transformer	EMD100-T-3.5/0.5	Transformer box is inbuilt into the Control Cabinet for system output power of upto 15KW. For higher output, a separator transformer cabinet is recommended.					4 - Ø14				
	EMD100-T-4.5/0.5										
	EMD100-T-5.5/0.5										
	EMD100-T-7/0.5										
	EMD100-T-11/0.5										
	EMD100-T-15/0.5										
	EMD100-T-25/0.5	610	480	580	480	300	25			180	
	EMD100-T-30/0.5	660	515	630	530	335	30			200	
	EMD100-T-35/0.5	700	535	680	570	355	35			225	
	EMD100-T-40/0.5						40			255	

Corollary Unit		Overall dimension for reference					No. of Batteries	Backup Time (mins)	Output Voltage (V)	Nett Wt (Kgs)	
Name	Model	W	D	H	X	Y					Mounting hole
Battery Backup Cabinet	BBU-18-38Ah12V	750	372	1100	700	332	4 - Ø14	18	15	110	45
	BBU-18-65Ah12V	1246	380	1150	1196	330		18	15	220	57
	BBU-18-100Ah12V	1246	360	1150	1196	330		18	15	220	86
	BBU-18-120Ah12V	1296	432	1300	1246	382		18	15	220	96
	BBU-18-150Ah12V	1248	508	1300	1198	458		18	15	220	103

Name	Model	BBU Unit	Model	BBU Unit
Control Cabinet	EMD100-3E-C	If Required	EMD100-19E-C	BBU-18-65Ah12V
	EMD100-4E-C	If Required	EMD100-25E-C	BBU-18-100Ah12V
	EMD100-7E-C	If Required	EMD100-32E-C	BBU-18-120Ah12V
	EMD100-9E-C	BBU-18-38Ah12V	EMD100-38E-C	BBU-18-150Ah12V
	EMD100-14E-C	BBU-18-65Ah12V	EMD100-45E-C	BBU-18-150Ah12V

Rated voltage of the electromagnet shall match output voltage of the equipment; the total current amount (power consumption) in cold state of the electromagnet shall be less than or equal to the output current (power) of the cabinet.