



## Power-cut Magnetism Sustaining Unit Series GTBM LPBM

There are two kinds of product series of power -cut magnetism sustaining unit: the product series GTBM is designed rated voltage mode controlling type; series LPBM has the function of power-cut magnetism sustaining as well as magnetism regulating, which can easily control the pieces of being handled steel plates by field exciting voltage to adjust the electromagnet freely. These product series are update modifications through technical diagnosis based on the original product series GTB6 and LPB1, which improve the operational reliability and technical advantages. Thus, the service work for the customers is obviously minimized.

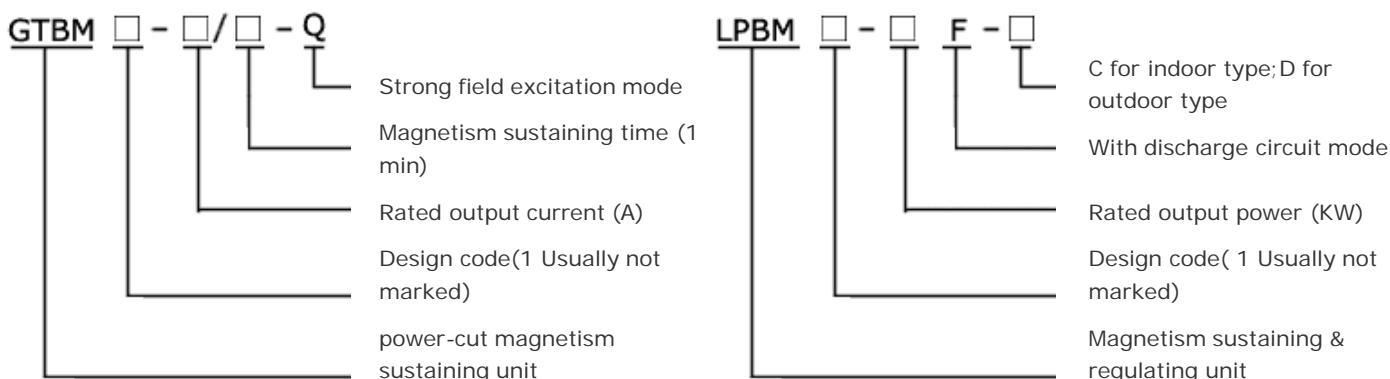
### Main features

1. It will auto changeover the power supply in case of sudden power-cut of transmission -line system of electric power during operation. The holding materials will be guaranteed not to fall down during the set time, and the band -type brake of the hoister will be open to release the attached materials down to the ground safely.
2. The unit has complete integration provided special charging equipment and wonderful testing & display alarm system.
3. Using valve controlled all sealed non -service plumbic acid batteries, acid batteries, auto -charging without man -watching. The batteries will auto -changeover the charging mode by self monitoring. It has a long durability.
4. The unit is light and compact. There is no special requirement for installation; easy and convenient to be serviced.

Product series GTBM2 has extra crane ups power source based on product series GTBM1, with following functions:

- i. Input DC voltage 220V provided by the accumulator and output 3-phase AC 380V/50Hz.
- ii. It can control the movement of the cart of the crane when the attracted material can't be unloaded at power failure.
- iii. It can control the AC brake of lifting device at power failure. no need to replace the AC brake to DC brake.

### Model designation



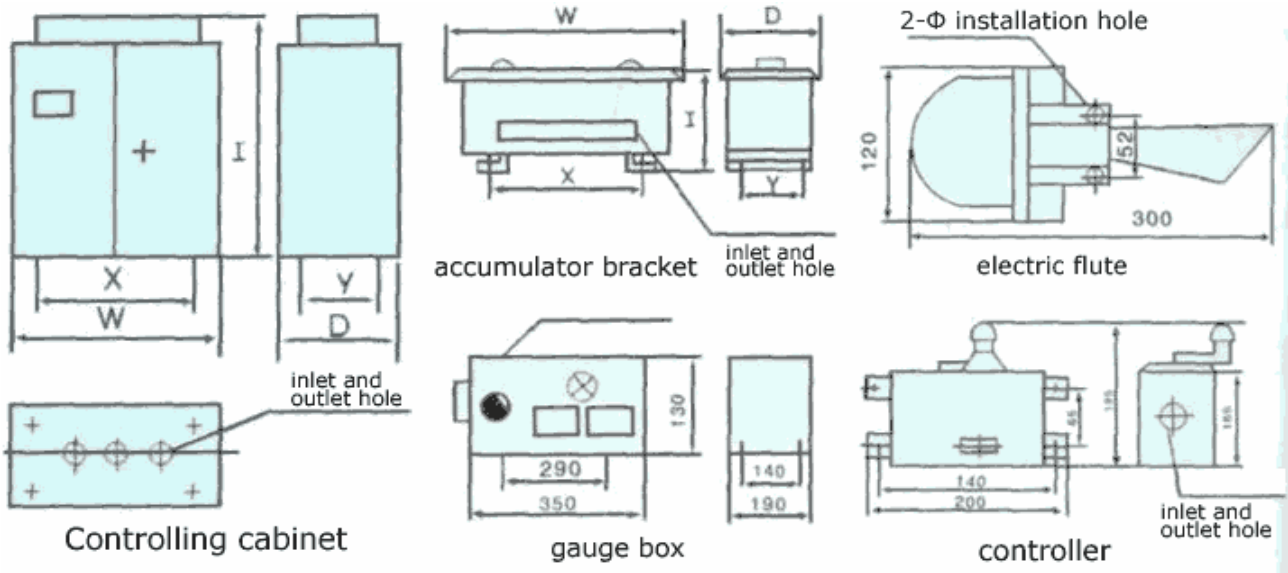
### Main technical data

Completeset of unit model	GTBM-40	GTBM-60	GTBM-100	GTBM-150	GTBM-200	LPBM-7F-C	LPBM-15F-C	LPBM-25F-C	LPBM-40F-C	
	GTBM2-40	GTBM2-60	GTBM2-100	GTBM2-150	GTBM2-200	LPBM2-7F-C	LPBM2-15F-C	LPBM2-25F-C	LPBM2-40F-C	
input voltage	AC380/3Φ					AC380/3Φ				
output voltage	DC-220V					DC0-180V 220V				
output	40A	60A	100A	150A	200A	7KW	15KW	25KW	40KW	
magnetism sustaining time	5min; 10min; 15min; 20min; 30min					5min; 10min; 15min; 20min; 30min				

### Attentions for model selection

1. The rated voltage of the electromagnet is in conform with the output voltage of the equipments; The total current (consumption power) of the electromagnet shall be less than or equal to the output current (power) of the commutation controlling units.

- Electromagnetic band-type brake of lifting device of the lift equipment shall be changed into DC electromagnetic band-type brake when the UPS power source of the crane is not available.
- Environment working temperature shall be over 50°C, If there is offer special requirements for modification.enlarging the capacity and etc, shall note controlling cabinet when ordered.



overall dimension sketch

Equipment integration

Corollary equipment		Number									overall dimension (mm)					Mass (kg)
Name	Model	GTBM (GTBM2) -40	GTBM (GTBM2) -60	GTBM (GTBM2)	GTBM (GTBM2) -150	GTBM (GTBM2) -200	LPB M - 7F-C	LPBM -15F-C	LPB M - 25F-C	LPB M - 40F-C	W	D	H	X	Y	
Commutation controlling units	GTBM (GTBM2) -40	1									900	450	1750	800	350	250
	GTBM (GTBM2) -60		1								900	450	1750	800	350	250
	GTBM (GTBM2) -100			1							900	450	1750	800	350	300
	GTBM (GTBM2) -150				1						900	450	1750	800	350	320
	GTBM (GTBM2) -200					1					900	450	1750	1000	350	350
	LPBM-7F-C						1				900	450	1750	800	350	250
	LPBM-15F-C							1			900	450	1750	800	350	300
	LPBM-25F-C								1		900	450	1750	800	350	320
	LPBM-40F-C									1	1100	450	1750	1000	350	350

main rectifomer (attached outside)	ZSG-10/ 0.5	1								460	440	480	385	31 0	100	
	ZSG-15/ 0.5		1			1				460	400	480	385	31 0	120	
	ZSG-20/ 0.5						1			600 -	510	675	500	41 0	160	
	ZSG-25/ 0.5			1						600	510	675	500	41 0	160	
	ZSG-30/ 0.5				1					600	510 -	675	500	41 0	200	
	ZSG-35/ 0.5							1		600	510	675	500	41 0	200	
	ZSG- 45/0.5					1			1	710	600	675	640	48 0	240	
Accumulator	6FM-65	18				18				350	166	174			24	
	6FM- 100		18				18			330	174	240			35	
	6FM- 150			<b>18</b>		36		18		490	174	245			47	
	6FM- 200				18			18		520	238	240			65	
accumulator bracket	GXM-65	1					1			180 0	400	800	170 0	35 0	60	
	GMX- 100		1					1		200 0	400	800	190 0	35 0	80	
	GMX- 150			1		2		1		200 0	500	800	190 0	35 0	100	
	GMX- 200				1				1	250 0	600	800	240 0	55 0	120	
gauge box	MBP1- 211S	1								350	190	130	290	14 0	5	
Controller	LC-4S2- 2						1			325	135	352	300	15 0	12	
Controller	KK	1								100	75	75	65	52	0.5	
electric flute	SA- DC24V	1														1

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