

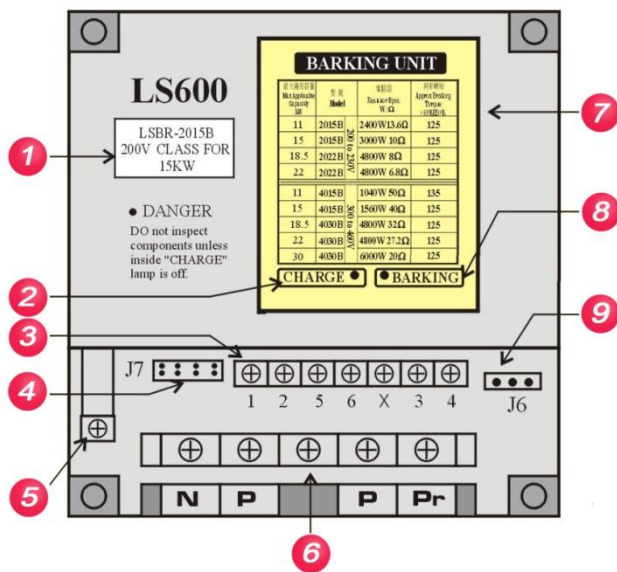
## LSBR Series Braking Unit



### Features

1. Appearance beautiful, strong and durable.
2. With good cooling efficiency and long span life.
3. IGBT module design, advanced and innovated.
4. Individual machine, multi machine continuous driving with easy wiring assembly.
5. With simultaneous gate, suitable range of inverter is limitless capacity.
6. Available to comply with any brand of inverter with good compatible.

# Panel Function

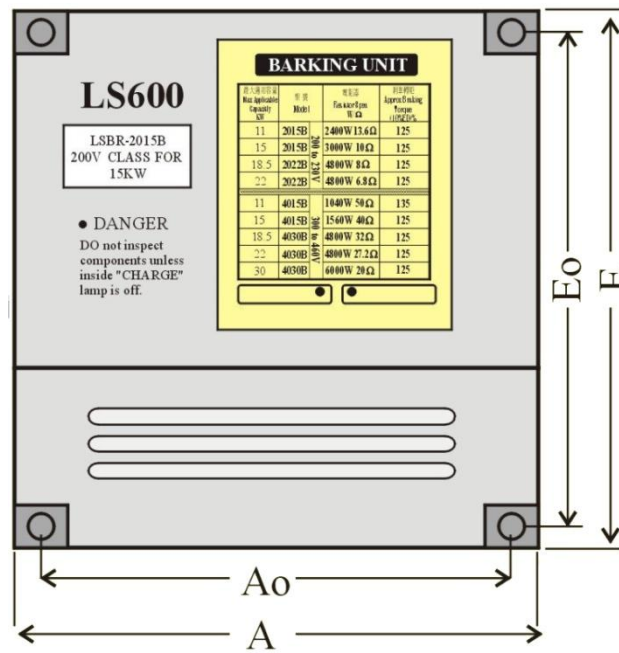


1	Specification of body	7	Comparative table of braking unit, braking resistor
2	Power indicating light	8	Indicating light of braking movement
3	Control terminal	9	"J6" individual machine and multi machine reverse jump MASTER COM SLAVE
4	Jump(J7) AC input side Selection of standard voltage		
5	Fuse		
6	Input terminal of electric power		

# Standard Specification

Brake model LSBR		2015B	2022B	4015B	4030B
Suitable voltage		200V~230V		380V~460V	
Output characteristics	Applicable motor output HP(KW)	20HP 15kw	30HP 22kw	20HP 15kw	40HP 30kw
	Rated discharge current	15	20	10	15
	Max. discharge peak current(A)	40	60	27	40
	Starting discharge voltage	AC 220V 208V 220V 230V ↓ ↓ ↓ ↓ ±3V DC 327V 345V 365V 380V		380V 400V 415V 440V 460V ↓ ↓ ↓ ↓ ↓ ±6V 620V 655V 680V 720V 760V	
	Max. hysteresis error	Approx. 8V		Approx.16V	
Power supply	Input voltage of inverter	50HZ 60HZ AC 200V~230V		50HZ 60HZ AC 380V~460V	
	DC Bus voltage	243V~400V Peak		460V~800V Peak	
Protective functions	Fin overheat	Temperature sensor 3 · 4 connect point output			
	Power charge indication	Main & return DC lines voltage above 50V, charging lamp is on light			
Environmental Conditions	Location	In door, no corrosive gas or liquid and free from dust			
	Ambient Temperature	-10~+40°C (Not frozen)			
	Humidity	90%RH (Non-condensing)			
	Vibration	1G at 20Hz less than, up to 0.2G at 20 to 50Hz			
	Protective Configuration	Wall-mounted enclosed type			
Remark		Loading time rate can be used below 10%ED (max, 10min)			

# External Dimension

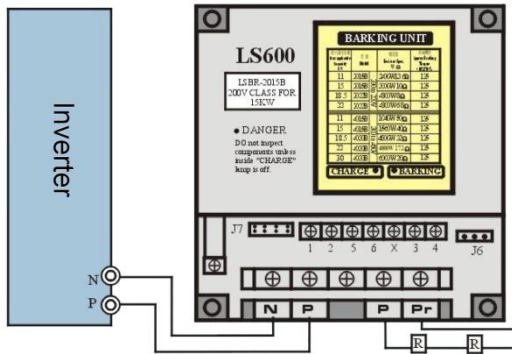


Model \ Area	A	Ao	E	Eo	D
LSBR-2015B	146mm	128mm	150mm	138mm	153mm
LSBR-2022B					
LSBR-4015B	146mm	128mm	200mm	188mm	153mm
LSBR-4030B					

Model	Net weight (kg)	Cross weight (kg)	Volume (Cu ft <sup>3</sup> )	Fixed screw
LSBR-2015B	1.8	2.0	0.3	M5
LSBR-2022B				
LSBR-4015B	2.6	3.0	0.4	M5
LSBR-4030B				

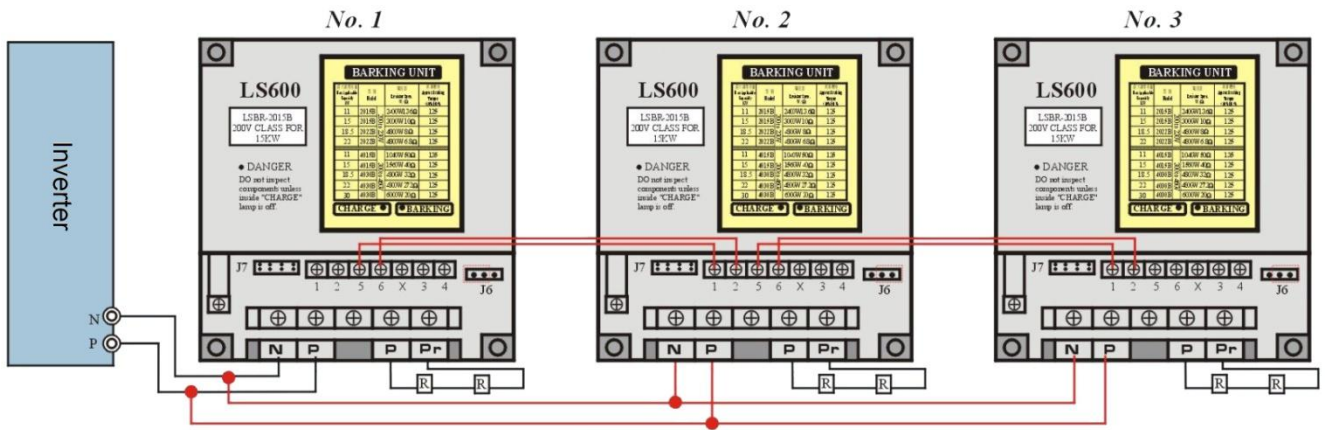
# Connection method of individual and multi machine

## Connection of individual braking unit



1. "N" and "P" of inverter are connecting to "N" and "P" of braking unit. "N" to "N" and "P" to "P" connection.
2. J6 of MASTER-COM is connected by short circuit.
3. Make sure the corrective input voltage and select same voltage by braking unit J7, then connect by short circuit.

## Connection of multi braking unit



### Example:

Parallel connection: braking unit 1 is main machine, J6 select MASTER-COM.

Braking unit 2 is auxiliary machine, J6 select SLAVE-COM.

Braking unit 3 is auxiliary machine, J6 select SLAVE-COM.

It is available to parallel connect more sets of braking unit as subsidiary machine to brake and discharge together, The criterion of all subsidiary machines is basic on main machine.[ The terminal 5,6 of braking unit(1)is connecting to terminal 1,2 of braking unit(2) ]

The standard of J7 setting is basic on AC voltage of inverter input electric power to select JUMP

	200V(Series)					400V(Series)				
<b>Inverter power input(AC)</b>	200	208	220	230	380	400	415	440	460	
<b>Braking start voltage(DC)</b>	327	345	365	380	620	655	680	720	760	

## The selection of braking resistor and braking unit

1. The braking circuit is inside hidden 200-240V, 0.4KW-7.5KW and 380V-460V, 0.75KW-7.5KW of inverter's capacity. Select corrective resistor value to install. Please refer to following illustration.
2. More than 11KW inverter does not inside hide braking circuit, it can select our braking unit to install, please refer to following illustration.
3. After continuous discharge of braking resistor, it is occurring high temperature all around and make danger for all sides articles. It is necessary to take away the flammable and keep distance more than 2 meters. The location of installation must ventilate or install electric fan for cooling.

Voltage 200V Inverter								Spec.
Model	Capacity	Min. Ohm value	Min. Watt	Braking unit quantity	Barking torque	Install circuit		Braking model
						inside	outside	
LS600-20-5	0.4	150	120	1	225	●		
LS600-2001	0.75	150	120	1	130	●		
LS600-2002	1.50	100	200	1	130	●		
LS600-2003	2.20	60	250	1	120	●		
LS600-2005	3.70	40	300	1	120	●		
LS600-2007	5.50	25	1000	1	150	●		
LS600-2010	7.50	20	2000	1	150	●		
LS600-2015	11.00	13.6	2400	1	125		●	LSBR-2015B
LS600-2020	15.00	10.0	3000	1	125		●	LSBR-2015B
LS600-2025	18.50	8.0	4800	1	125		●	LSBR-2022B
LS600-2030	22.00	6.8	4800	1	125		●	LSBR-2022B
LS600-2040	30.00	10	3000	2	125		●	LSBR-2015B
LS600-2050	37.00	10	3000	2	100		●	LSBR-2015B
LS600-2060	45.00	6.8	4800	2	120		●	LSBR-2022B
LS600-2075	55.00	6.8	4800	2	100		●	LSBR-2022B

Voltage 400V Inverter								Spec.
LS600-4001	0.75	300	200	1	200	●		
LS600-4002	1.50	300	200	1	200	●		
LS600-4003	2.20	150	300	1	130	●		
LS600-4005	3.70	100	500	1	130	●		
LS600-4007	5.50	80	800	1	150	●		
LS600-4010	7.50	60	1000	1	150	●		
LS600-4015	11.00	50	1040	1	135		●	LSBR-4015B
LS600-4020	15.00	40	1560	1	125		●	LSBR-4015B
LS600-4025	18.50	32	4800	1	125		●	LSBR-4030B
LS600-4030	22.00	27.2	4800	1	125		●	LSBR-4030B
LS600-4040	30.00	20	6000	1	125		●	LSBR-4030B
LS600-4050	37.00	32	4800	2	125		●	LSBR-4030B
LS600-4060	45.00	20	6000	2	135		●	LSBR-4030B
LS600-4075	55.00	20	6000	2	135		●	LSBR-4030B

# Contact

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