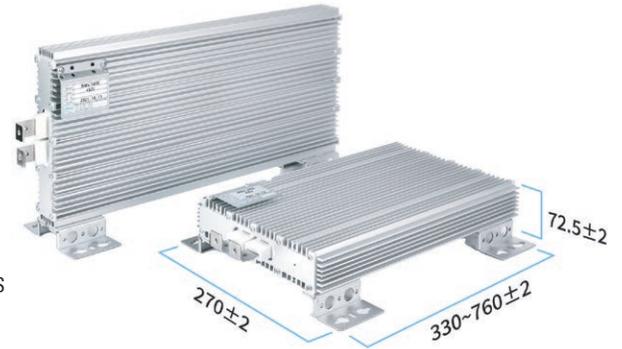




MBH/MBV

Mini Braking High Power Resistors

The MBH and MBV models are high-performance dummy load resistors designed to simulate real-world electrical loads in various applications. These models are commonly used in electric vehicle charging systems, load testing, and UPS overload testing. They play a crucial role in managing excess power and providing stable performance by handling overload conditions. Additionally, they serve as braking resistors in regenerative braking systems.



(Weight:7.2~ 13.5Kg ±5%)

SPECIFICATIONS

Insulation Resistance	20mΩ minimum	
Dielectric Strength	Available options: AC1500V,2500V,3500V for 1 minute, Max leakage current: 2mA	
Temperature Coefficient	±260ppm/Ω	
Short Time Overload	±[5%+0.05Ω]	5-10. Power rating-in 5~10seconds
Moisture Resistance	±[3%+0.05Ω]	40°C,95%RH,DC100V case to terminal, 500 hours
Thermal Shock	±[3%+0.05Ω]	Power rating 30 minutes, -40°C 15 minutes
Moisture Load Life	±[3%+0.05Ω]	40°C,95%RH,0.1 power rating, 1.5 hours on, 30 minutes off, 500 hours
Load Life	±[5%+0.05Ω]	Power rating 1.5 hours on, 30 minutes off, 50 - 0 hours

APPLICATION

- Elevators (Braking Resistor)
- Escalators (Braking Resistor)
- Cranes (Hoist) (Load Handling)
- Wind Turbines (Energy Dissipation)
- Trolley Buses (Overload Protection)
- Excavation Machines (Dynamic Braking)



Elevators



Escalators



Cranes (Hoist)



Wind turbines



Trolley Buses



Excavation machines

MBH/V // Mini Braking High Power Resistors

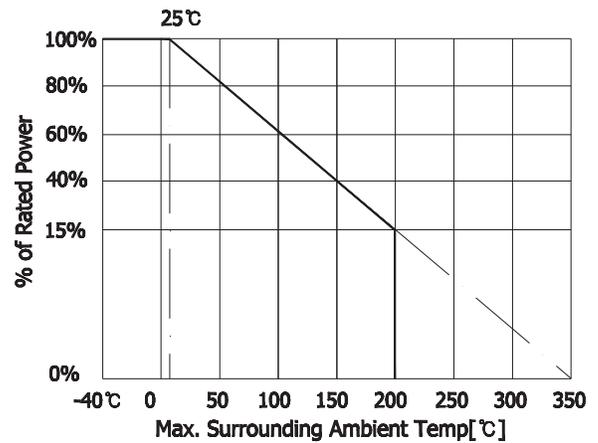
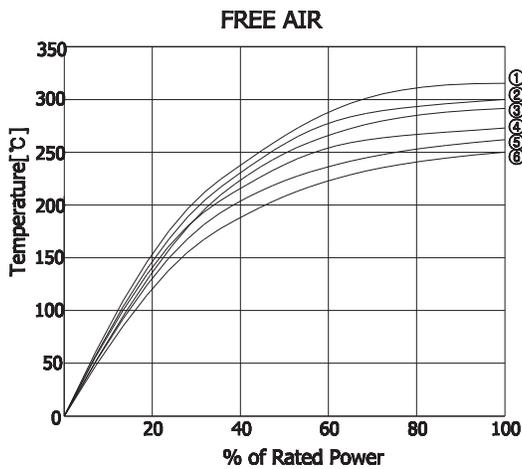
The MBH/V models are metal-clad, compact high-power resistors designed for industrial and other applications. Our extruded aluminum housing provides rugged and strong protection. These models are specially constructed for overload pulses. They have a thermostat and terminal box as optional. The most common applications for these models are: motor drives, braking and snubber applications and power sources for industrial equipment.

GENERAL SPECIFICATIONS

MODEL	RATED POWER @25C [W]	PULSE POWER [KW]				RESISTANCE RANGE [Ω]	TOLERANCE [%]
		*ED5%	*ED10%	*ED20%	*ED40%		
MBH/V 3000	1100	17.5	8.5	4.5	2	0.4 ~ 150	J [±5%] K [±10%]
MBH/V 3600	1300	20	10	5.5	2.5	0.5 ~ 170	
MBH/V 5000	1500	24	12	6	3	0.6 ~ 180	
MBH/V 7200	2000	32	16	8	4	0.7 ~ 200	
MBH/V 9600	2500	40	20	10	5	0.8 ~ 220	
MBH/V 10800	2900	46	23	11.5	6	1.0 ~ 240	

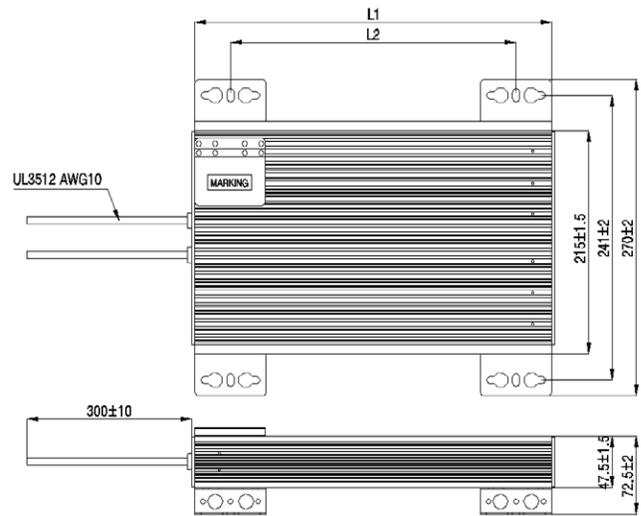
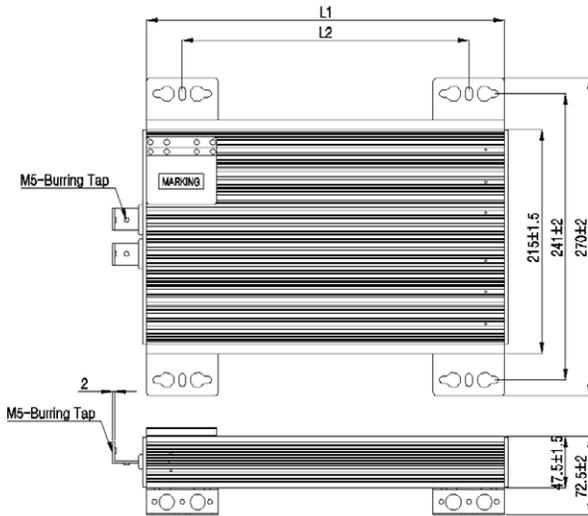
* Referred to a cycle duration of 120s.

SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD & DERATING



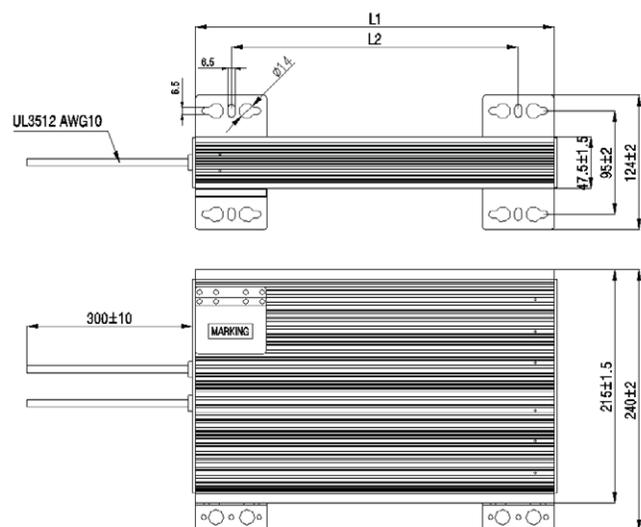
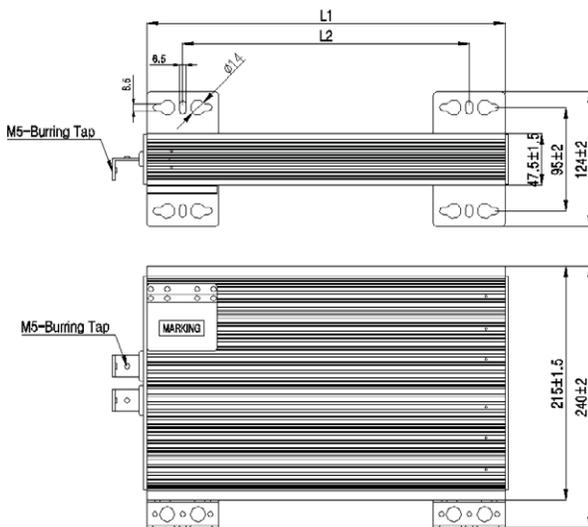
MBH/V // Mini Braking High Power Resistors

MBH DIMENSIONS [mm]



MODEL	L1±2	L2±2	WEIGHT [KG]
MBH 3000	330	264	7.2
MBH 3600	400	334	8.2
MBH 5000	460	394	9.0
MBH 7200	560	494	10.5
MBH 9600	660	594	12.0
MBH 10800	760	694	13.5

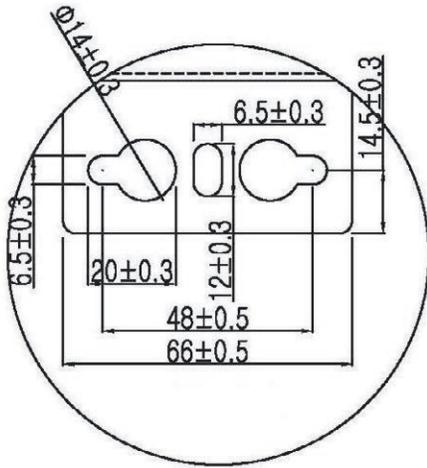
MBV DIMENSIONS [mm]



MODEL	L1±2	L2±2	WEIGHT [KG]
MBV 3000	330	264	7.2
MBV 3600	400	334	8.2
MBV 5000	460	394	9.0
MBV 7200	560	494	10.5
MBV 9600	660	594	12.0
MBV 10800	760	694	13.5

MBH/V // Mini Braking High Power Resistors

SCREW-MOUNTING HOLE DIMENSIONS [mm]



ORDERING PROCEDURE

