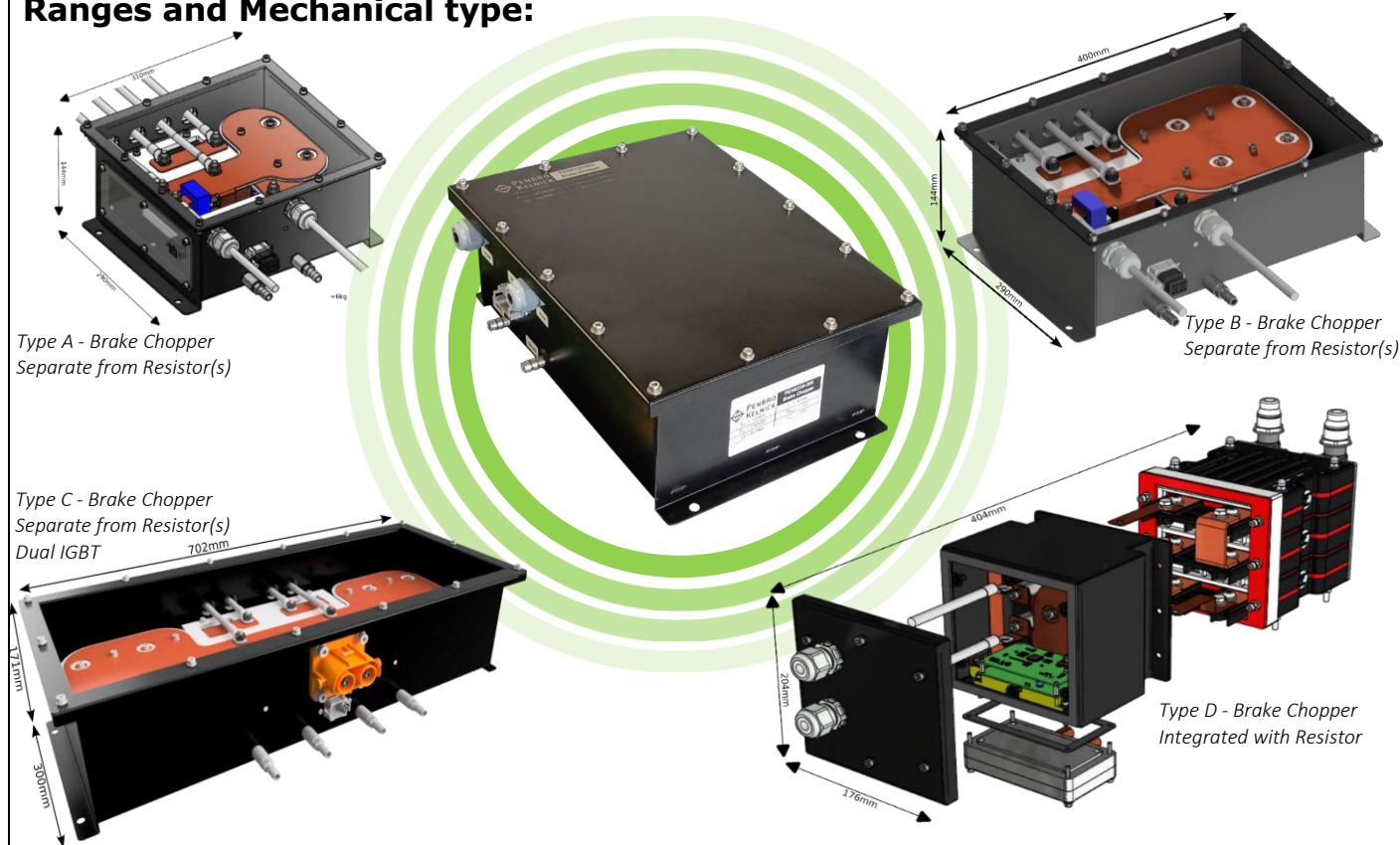


Name:	Brake Chopper
Application:	Automotive – EDS6239 for High-performance vehicles, EV buses, EV trucks, and hydrogen-powered tractors braking resistors' power dissipation control.
	Load Testing & Energy Dissipation – Load resistors (Load Banks) power dissipation control.
Specifications:	
Shock & Vibration	EN61373:2010
Ingress Protection	IP67
EMI	CISPR11 Tested in accordance with ISO7637-4
CAN Bus	Manufactured in accordance with ISO11898-1 Protocol based on SAE J1939

Ranges and Mechanical type:



All auxiliary input/output signals are available on a CAN bus connector.

Software protection cut-off when any parameter out of range.

Events and measurements are communicated over CAN bus.

Operating Characteristics:

Parameter Description	Min	Nom	Max	Unit
HV DC Bus	0	-	1200	VDC
Current drawn from HV DC Bus	0	-	1000	ADC
Auxiliary supply voltage	-	12/24	-	VDC
Auxiliary supply current	-	-	0.5	A
Chopper switching frequency	-	1 – 10	-	kHz
Duty	0	-	100	%
Ambient temperature	-40	-	60	°C
Coolant temperature	-	0	90	°C
Maximum coolant pressure	-	120	-	kPA
Coolant flow requirement	4	-	60	l/min
Weight (Dry)	-	6	-	Kg
Power circuit isolation voltage (60s)		3		kVRMS

RANGE CHARACTERISTICS

ITEM CODE	VIN MAX	IIN MAX	PIN MAX	R	TCOOL MAX	QMIN	ΔP	ΔTMA X	PLOSS	M	MECH TYPE
	(V)	(A)	(KW)	(Ω)	(°C)	(L/MIN)	(KPA)	(°C)	(KW)	(KG)	
PEN6239-001	950	170	100	6.4	75	4	11	10	1	6	A
PEN6239-002	950	75	50	10	75	60	50	15	0.5	20	D
PEN6239-004	850	2 x 500	150	2 x 3.2	70	12	50	15	2.2	20	C
PEN6239-005	1200	450	250	2	75	8	35	20	1.5	8	B
PEN6239-007	935	225	160	4	75	4	11	10	0.5	8	B