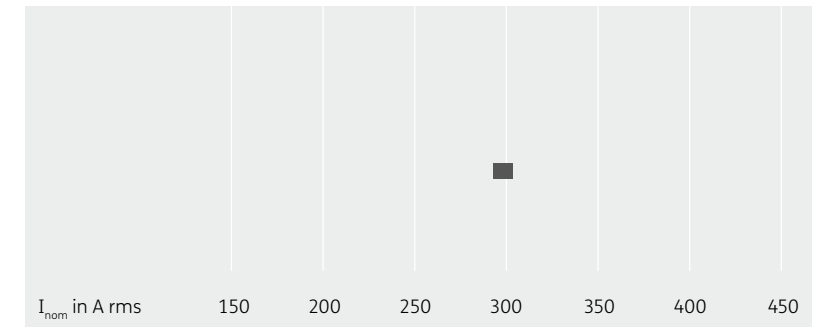


Systems – Most Compact Power Electronics System for Utility Vehicles

SEMIKRON's motor controllers are already fully equipped with current sensors, IGBT drivers, DC link capacitors and a fast processor (DSP). The systems are designed to operate with supply voltages of 24V up to 800V and with output power ratings of up to 300kVA.

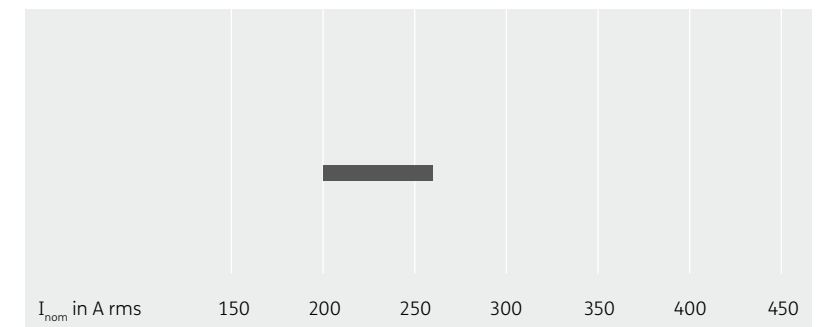
SKAI®2 IGBT Motor Controller

115V up to 800V



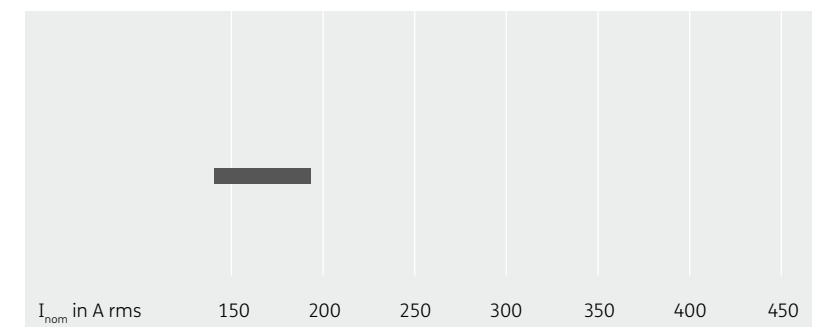
SKAI®2 MOSFET Single Motor Controller

24V up to 115V



SKAI®2 MOSFET Dual Motor Controller

24V up to 115V



SKAI 2

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For detailed information please refer to data sheets.

Further information: www.semikron.com/systems

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Systems / SKAI2

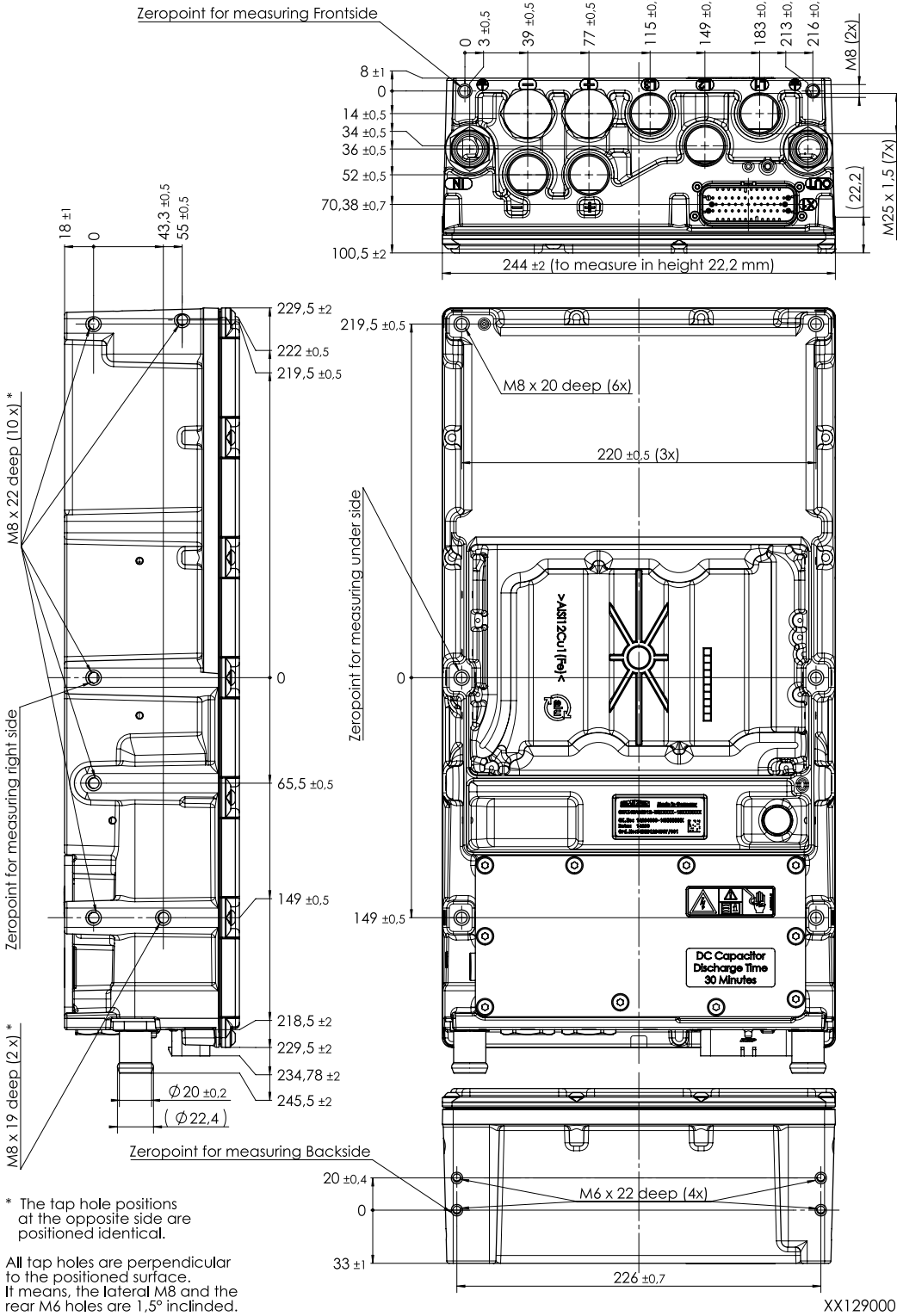
Type	$V_{\text{battery (max)}}$ V	I_{nom} A_{rms}	Topology	Cooling	DSP	Case	Circuit
IGBT - Motor Controller							
SKAI 90 A2 GD06-WCI ²⁾	450	300	3-Phase	Liquid	Yes	7	
SKAI 45 A2 GD12-WCI ²⁾	800	300	3-Phase	Liquid	Yes	7	
SKAI 90 A2 GD06-WDI ²⁾	450	300	3-Phase	Liquid	No	7	
SKAI 45 A2 GD12-WDI ²⁾	800	300	3-Phase	Liquid	No	7	
MOSFET - Motor Controller							
SKAI 60 A2 MD10-L ²⁾	72	260	3-Phase	Forced Air	Yes	1	
SKAI 60 A2 MD10-P ²⁾	72	260	3-Phase	Baseplate	Yes	3	
SKAI 70 A2 MD15-L ²⁾	115	200	3-Phase	Forced Air	Yes	1	
SKAI 70 A2 MD15-P ²⁾	115	200	3-Phase	Baseplate	Yes	3	
SKAI 60 A2 MM10-L ²⁾	72	190	Dual 3-Phase	Forced Air	Yes	4	
SKAI 60 A2 MM10-P ²⁾	72	190	Dual 3-Phase	Baseplate	Yes	6	
SKAI 70 A2 MM15-L ²⁾	115	140	Dual 3-Phase	Forced Air	Yes	4	
SKAI 70 A2 MM15-P ²⁾	115	140	Dual 3-Phase	Baseplate	Yes	6	

Footnotes: 2) In production new

Systems / SKAI2

Cases

Case 7

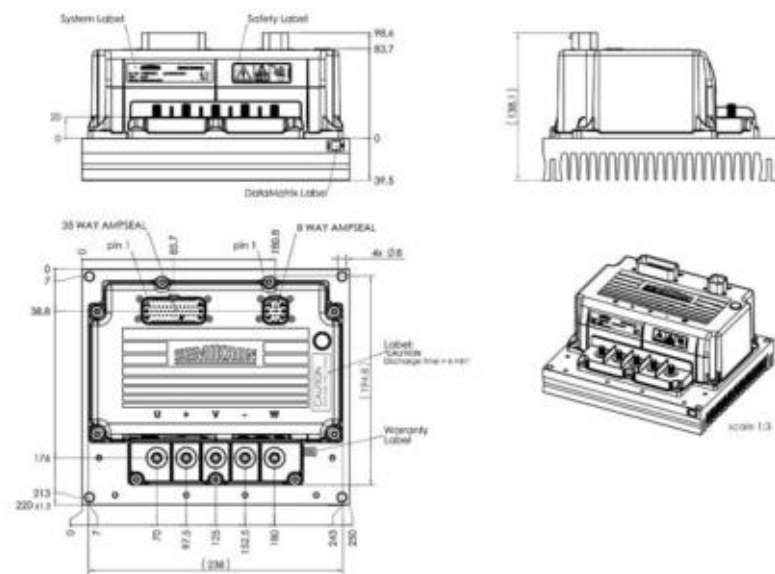


Dimensions in mm

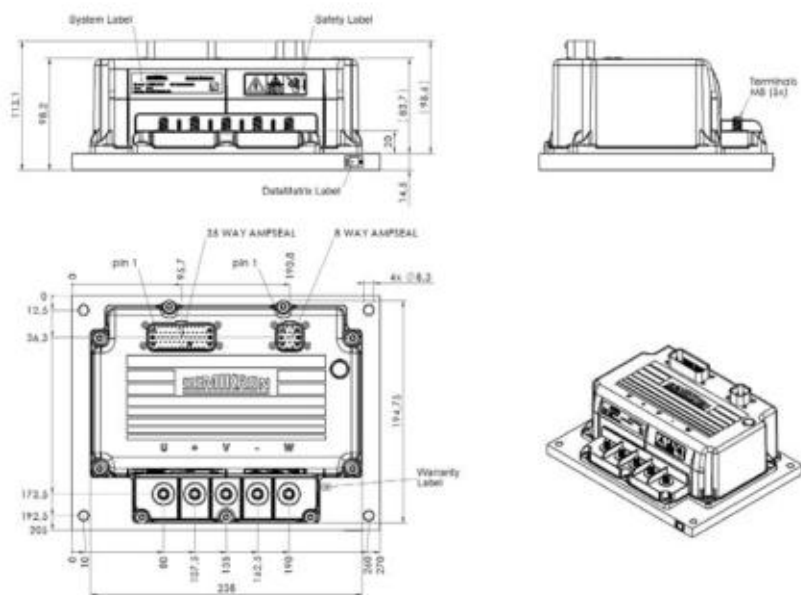
Systems / SKAI2

Cases

Case 1



Case 3

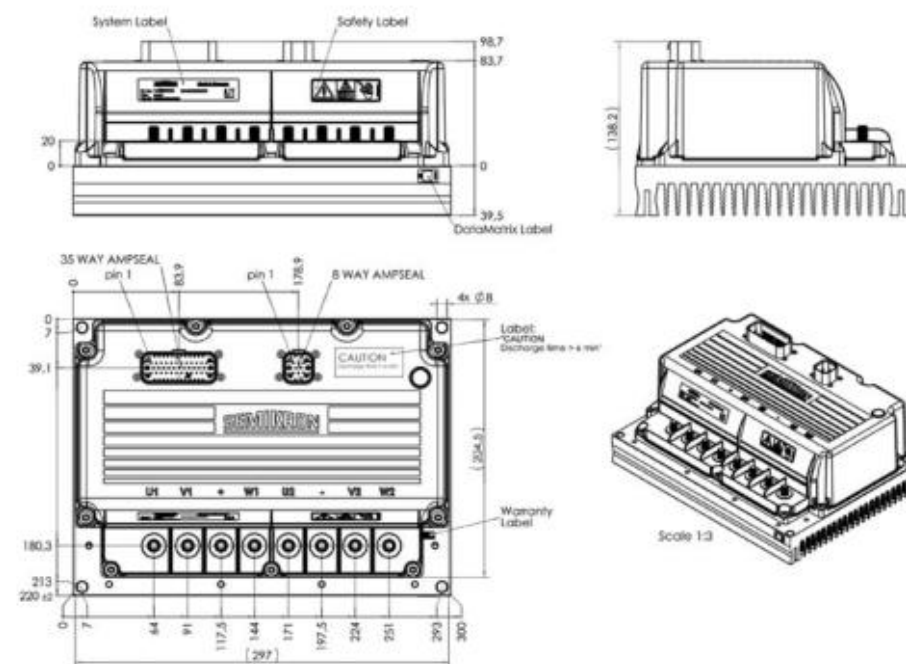


Dimensions in mm

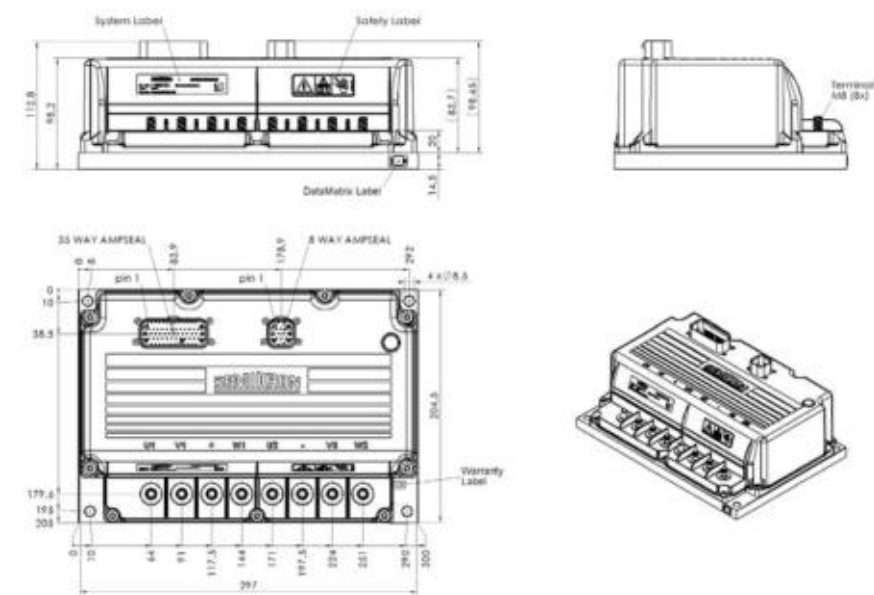
Systems / SKAI2

Cases

Case 4



Case 6



Dimer



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