

Smart String Box SSB-A

PV String Box with Contactors

Datasheet (Rev. NEW)

Type	SSB-A-14-140	SSB-A-25-250
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Electrical Data

Maximum operating voltage	U_{DC}	1000 V _{DC} or 1200 V _{DC}	
Maximum output current DC	I_{DCmax}	140 A	250 A
Maximum number PV inputs (strings)		14	25
Maximal input current DC per string	I_{STRmax}	10 A	
String current measurement range	I_{STR}	0.5 – 15 A	
Reverse string current measuring	$I_{STR rev}$	Yes	
Surge arrester		Type II	
State indication lamp on the door		Yes	
Test voltage		2.5 kV, 50 Hz, 1 min	
Surge arrester fault indication		Yes (auxiliary dry contacts)	

Mechanical Data

Dimensions in mm	W x D x H	735 x 270 x 535	
Weight	m	26 kg	29 kg
Colour		RAL 7035 (light grey)	
Enclosure material		Glass-fibre-reinforced and halogen-free polyester	
Protection class according to EN 60529		IP55 (outdoor)	
Impact strength according to EN 50102		IK10	
Max air humidity		95 %	
Ambient temperature range	T_{amb}	-20 °C ... +60 °C	
UV proof		Yes	

String Box Interface

DC contactor control input	230 V _{AC} +10%/-15%, 50 Hz ± 10 %, P _{max} = 40W
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String Box Monitor Interface

Ready feedback	Separate feedback for each Smart String Box; Closed dry contact when ready
Ready feedback output	24 V _{AC/DC} (18 – 36 V), 2 A at 30 V _{DC}
Fibre optical interface (standard)	Ring type serial interface connection
RS 485 serial interface (optional)	Separable screw terminal with. 6 pins for easy bus wiring. Galvanically isolated from monitoring electronic.

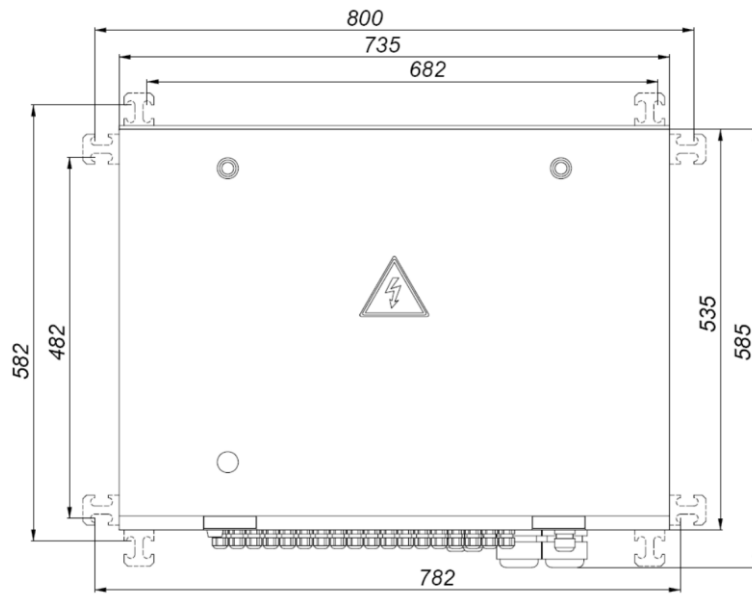
Options

Stainless steel enclosure
Fuses with visual indication when tripped
PV(-) disconnect type terminals

Standards

CE conformity / EMC	Yes / EN 61000-6-2, EN 61000-6-4 / EN 50178
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Smart String Box
SSB-P
Datasheet (Rev. NEW)



Ordering Information

For technical or commercial information please contact the ELECTROINVENT sales office.

Sales



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