



1500 VDC

String Monitoring Box





Trinity Touch String Monitoring Box 1500 VDC Solution

Electrical Parameters

Rated DC voltage	1500 VDC
Maximum current per measuring channel	30A
Measurement voltage supply	9-36 VDC
DC Switch rating	400A

Monitoring Device

Measuring parameters	Input current, System voltage, Internal temperature
Input current monitoring	16
Monitoring device	TRICHECK 2.0
Type of monitoring	Shunt
Current measurement accuracy	<0.25%
Power consumption	<3W
On-board temperature measuring range	0-120°C
Digital Ports	2
Shield clamp for earthing provided	Yes
Analog ports	2
Communication interface	MODBUS RS 485 RTU
MODBUS ID	Defined by DIP switches / Firmware
Logs	MODBUS RTU
Baud rate	2400bps / 4800bps / 9600bps / 19200bps
Operating temperature	-10 to 70°C
System voltage	1500 VDC



SMB 1500 VDC Solution

Solar plants are getting larger. The TRICHECK 2.0 can provide current sensing up to 30A per DC input in 1500 VDC systems. With added Features such as bus voltage sensors, Digital & Analog inputs and class leading accuracy of $\pm 0.5\%$ even at high temperatures, The TRICHECK 2.0 is another State of the art solution from Trinity Touch.



* Pending