

LP220 - Description										
Low power heating current/voltage source module providing up to 20W heating power distributed between two outputs.										
Module										
Number of power sources	2									
Form factor	Double slot PIU (Plug-in Unit)									
Max. power consumption	40 W									
Output restrictions	The module is power limited. The power consumption of the two sources together cannot exceed the power limit. The power consumption of the sources are not equal to the output power.									
Source type	Current or Voltage source (individually configurable by software)									
Galvanic isolated	Yes (two sources share a common ground)									
Simultaneous Voltage & Current measurement on both channels parallel										
Current source mode										
Current range	$\pm 20\text{mA}$	$\pm 100\text{mA}$	$\pm 100\text{-}200\text{mA}$	$\pm 1\text{A}$	$\pm 1\text{-}2\text{A}$					
Nominal current resolution	$0.64\mu\text{A}$	$6.4\mu\text{A}$		$64\mu\text{A}$						
Current accuracy	$0.1\% I_{\text{set}} + 20\mu\text{A}$	$0.1\% I_{\text{set}} + 200\mu\text{A}$	$0.1\% I_{\text{set}} + 350\mu\text{A}$	$0.1\% I_{\text{set}} + 1\text{mA}$	$0.1\% I_{\text{set}} + 2\text{mA}$					
Current readback resolution	$0.64\mu\text{A}$	$6.4\mu\text{A}$		$64\mu\text{A}$						
Current readback accuracy	$0.1\% I_{\text{set}} + 20\mu\text{A}$	$0.1\% I_{\text{set}} + 200\mu\text{A}$	$0.1\% I_{\text{set}} + 350\mu\text{A}$	$0.1\% I_{\text{set}} + 1\text{mA}$	$0.1\% I_{\text{set}} + 2\text{mA}$					
Output resistance	$1\text{M}\Omega$									
Compliance voltage range	$\pm 40\text{V}$									
Compliance voltage resolution	5mV									
Compliance voltage accuracy	$0.1\% V_{\text{set}} + 40\text{mV}$									
Voltage readback resolution	1.25mV									
Voltage readback accuracy	$0.1\% V_{\text{set}} + 40\text{mV}$									
Turn-on time	$1\mu\text{s}$									
Turn-off time	$1\mu\text{s}$									
Voltage source mode*										
Voltage range	40V									
Nominal voltage resolution	1.25mV									
Voltage accuracy	$0.1\% V_{\text{set}} + 40\text{mV}$									
Voltage readback resolution	1.25mV									
Voltage readback accuracy	$0.1\% V_{\text{set}} + 40\text{mV}$									
Compliance current range	$\pm 2\text{A}$									
Compliance current resolution	0.25mA									
Compliance current accuracy	$0.1\% I_{\text{set}} + 2\text{mA}$									
Turn-on time	$1\mu\text{s}$									
Turn-off time	$1\mu\text{s}$									
Optional 4-wire mode										

* The voltage source mode is only available with the T3SI3POLE license.