

Specification

Model

TPS4000

Environmental

Operating Temperature (-40°C start-up)	°C	-10° to +70°, derate linearly from 100% to 80% load from 50° to 60°, and from 80% to 55% at 70° (At -40°C a 10 min warm up at 80% load is required to meet specification)
Storage Temperature	°C	-40° to +85°
Humidity (non condensing)	%RH	10 - 95%RH
Cooling	-	Internal variable speed fan
Altitude	m	4,000m
Withstand Voltage (For 1 minute)	VAC	Input to Ground 2,000VAC, Input to Output 3,000VAC, Output to Ground 500VDC
Isolation Resistance	MΩ	>100MΩ at 25°C, 70%RH & 500VDC
Vibration (Operating)	-	Designed to meet MIL-STD-810F, Method 514.5, Proc I, Category 1, 10
Shock	-	Designed to meet MIL-STD-810F, Method 516.5, Procedure I, IV & VI

Other

Weight (Typ)	g	4,000
Size (WxHxD)	mm	107 x 84.4 x 335 (excluding output busbars)
Size (WxHxD)	Inches	4.21 x 3.33 x 13.2 (excluding output busbars)
Mating Connectors	-	Signal: Housing, JST PHDR-20VS, Crimp terminals, SPHD-001T-P0.5 PMBus shunt jumper: Samtec 2SN-BK-G
MTBF - Telcordia SR-332 issue 3	hrs	250,000 hours Method 1, Ground Benign, 25C, nominal input
Warranty	yrs	3 years

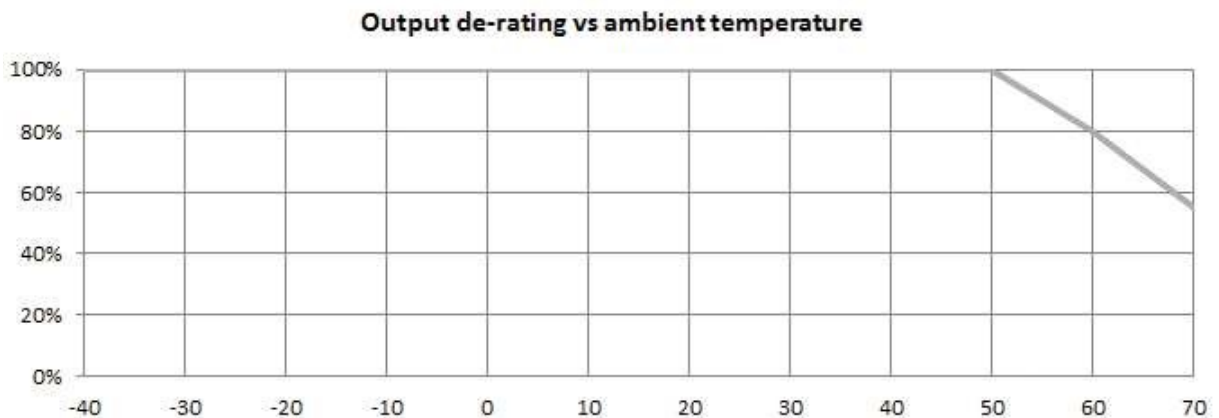
PMBus Functions

Output Voltage Monitoring
Output Current Monitoring
Internal Temperature Monitoring
Remote On/Off Programming
Remote Voltage Programming
Remote Overcurrent Programming
Fault Clearing
Reading Manufacturing Related Data

Notes

See website for detailed specifications, test methods and installation manual

Derating Curve



Outline Drawing

