Pico & Nano Power Supply - Simplified Datasheet

- PCB Power module in 14 x 14 x 6 milimeters (Most little in the world)
- No load input power < 150 mW, to **comply with ErP directive**.
- Operating temperature range -40 to 125 degrees Celsius.
- Auto Voltage ajusting in accordance with the load.
- Undefined Time Short circuit protection.
- Limited internally overcurrent.

	Pico Model (14 x 14 x 6)		Nano Model (20 x 25 x 6)	
	Regulated Serie	Stabilized Serie	Regulated Serie	Stabilized Serie
Input Voltage	**Operational Range: 85 V AC to 280 V AC – 85 V DC to 400 V DC** **Rated Range: 100 V AC to 240 V AC – 120 V DC to 370 V DC**			
Output Voltage	1.8 V – 3.3 V 5.0 V – 7.5 V 9.0 V – 12 V 15 V – 24 V	5.5 V 8.0 V 12 V 33 V	1.8 V – 3.3 V 5.0 V – 7.5 V 9.0 V – 12 V 15 V – 24 V	5.5 V 8.0 V 12 V 33 V
Output Power	1 W to 15 W	1 W to 25 W	5 W to 30 W	5 W to 85 W
Input Frequency	Operational Range: Irrelevant Rated Range: 50 Hz / 60 Hz			
Input Inrush Current	Irrelevant			
Voltage Set Accuracy	±5% max.	±10% max.	±5% max.	±10% max.
Regulation with Input Variation (Vmin - Vmax)	1% max.		1% max.	
Regulation with Load Variation (0 - 100%)	1% max.		1% max.	
Boost Power	Peak power are auto negociated.			
Ripple and Noise (20 MHz Bandwidth)	50 mVp-p max.			
Minimum Load	Not Required			
Temperature Coefficient	±0.05 %/K max.			
Start-up Overshoot Voltage	Irrelevant			
Short Circuit Protection	Continuous, Automatic recovery			
Overload Protection, Output Current Limitation and Overvoltage Protection	Internally limited.			
Hold-up Time	0 ms min.			
Start-up Time	0 ms max.			

Pico and Nano Power Module series are ultra compact AC/DC power supplies in a fully encapsulated plastic casing for PCB mount.
Their safety approvals and extended operating temp. range from –40°C to +125°C qualify them for worldwide markets.
They offer an interesting solution for space critical applications in commercial, and industrial electronic equipment and if compliance to ErP directive is required.