Spec Sheet

Parameters	Operational power consumption	Output power	Max weight Load	Min Weight Load
Voltage	4 – 6 V	2- 12 volts		
Current	200mA	550mA		
Weight			30.0	5.00
		Features		
Power Harvesting from **Piezo cells**	8 piezo electric cells were used in combination of series (4 in a row) and in parallel (2), in order to get desired power output. The voltage produced is AC in nature, to convert it into DC a full bridge rectifier circuit is used with peripherals.			
Power Monitoring	The Arduino Nano microcontroller board were used as MCU, comes with ADC to monitor the voltage form battery and Piezo panel simultaneously, it also count the Footsteps, and display it on external LCD display.			
Power storage	An external lead acid battery of 6.0 V, 1.5 Ah were used to store power, which comes from Piezo panel.			