



Product Short Form – Energy Harvesting

EH01 & EH01HV

Product	Input Voltage Range	Battery Voltage	Regulated Output Voltage	Max Output Current	Battery Display Status	Standby Power Consumption	Applications
EH01	3V - 5.5V	4.1V	5V	500mA	Yes	<500mW	Solar, Peltier
EH01HV	5V - 34V	Upto 34V	NA	2Amps	Yes	<600mW	Solar, Peltier

The EH01 is a complete power management solution for a variety of energy-harvesting applications, providing a small and simple solution to obtain power from three different sources: a wall adapter, photovoltaic cells and a Li-Ion battery.

The EH01HV simplifies the process of introducing solar energy to a design. Using a CC-CV profile it charges Lead-Acid or Lithium-Ion batteries from either a PV cell or some other VDC power source.



EH02



Product	Input Voltage Range	Battery Voltage	Regulated Output Voltage	Max Output Current	Battery Display Status	Standby Power Consumption	Applications
EH02	7.3V - 34V rectified	NA	3.3V	100mA	No	<microW	Piezo

EH02 is a complete power management solution for a variety of kinetic energy harvesting applications. It has a low loss AC-DC Voltage Doubler Rectifier and a high efficiency Buck converter. It is fit for energy harvesting solutions enabled by piezoelectric or electric-mechanical transducers. The EH02 has an analog controller that uses the transducer voltage as a feedback and regulates the rectified voltage to adaptively improve the extracted power.

