

The following is a detailed review of the BuyGreen Standards® for the Product you just clicked on to see more details. The BuyGreen standards are proprietary. We believe that it is important for buyers to understand not only why a product is Green, but how and to what extent it is Green. Certainly if you have any questions or recommendation about this rating our any rating, we encourage to email us at: standards@buygreen.com or call us at 888.9.BuyGreen

BuyGreen Product : **Solio Magnesium Edition**

Product ID: **BESS00001**



Source Material Overview - Does Not Meet LifeCycle Standard

Toxicant Content : **No** Polycarbonate plastic - but no Bisphenol (BPA) present. ABS (Acrylonitrile Butadiene Styrene) plastic.

Natural Content : **No** Natural Content Percentage : **0.0%**

Organic Content : **No** Organic Content Percentage : **0.0%**
Organic Accreditation : None

Sustainable Content : **No** Sustainable Content Percentage : **0.0%**
Sustainable Accreditation : None

Recycled Content : **No** Recycled Content Percentage : **0.0%**
Post Consumer Content : **Yes** Post Consumer Percentage : **0.0%**

Manufacturing Overview - Meets LifeCycle Standard

Animal Testing : **No** Primary Country of Origin : **China**

Resource Consumption : **Average**

Resource Consumption Discussion : Little to no water is consumed in the manufacturing process

Energy Consumption :

1). Production : **Average**

Production Discussion : Average consumption with the fabrication of plastic components and Electronic PCB assembly

2). Transportation : **Average**

Transportation Discussion : Whenever possible we use sea and truck
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Pollution :

1). Air : **Average**

Air Pollution Discussion : The manufacture of the product does not include processes that would pump pollutants into the atmosphere. Filters are used wherever it is required.

2). Water : **Average**

Water Pollution Discussion : The manufacture of this product does not include processes that would pump pollutants into the water system. Water is used for the plastic injection moulds and is recycled.

Packaging : **Good**

Packaging Discussion : The inks that are used for printing are VOC free. We use plant based inks instead. Paper pulp insert is 100% recycled cardboard. Cardboard can be recycled again.

Company Evaluation : **YES**

<<----- *this is their overall rating*

Customers : Yes

Employees : Yes

<<----- *includes supply chain*

Environment : Yes

Communities : Yes

Company Evaluation Discussions : To provide a sustainable alternative to wall chargers -- workers within our supply chain receive standard wage and are treated fairly and with respect. All factories and suppliers are vetted and undergo audit before becoming an approved supplier. -- Environment : From products to processes Better Energy Systems is an environmental company. Using our products in place of wall chargers significantly

Company Certifications : None



Usage Overview - Meets LifeCycle Standard

How does the usage of the product impact **Reduction** or **Elimination** ? If there is an impact, is it Low, Medium

Material Consumption : **Yes**

Impact : **Medium**

Description : Over the next five years, we will import and use 2.5 billion chargers for handheld electronics in the U.S. alone. This is equivalent to thousands of tons of plastics and metals. One Solio can replace a dozen wall chargers, and we are pressuring companies in the telecommunications industry to decouple chargers from phones. A Solio owner

Trash Production : **Yes**

Impact : **Medium**

Description : Wall chargers will all end up in landfills where they will leach heavy metals into ground water and create tons of waste in general. Owning a Solio can cut down on the amount of e-waste a person sends to landfills.

Toxic Content : **Yes**

Impact : **Low**

Description : The embodied energy in the 2.5 billion wall chargers to be imported into the U.S. over the next five years will create a total of 9 billion kilograms of carbon and the associated toxicants - this is equivalent to the pollution created by five year's-worth of driving by 1.8 million American cars. Replacing wall chargers with a Solio and using the sun to

Energy Consumption : **Yes**

Impact : **Low**

Description : Using the solar capacity of Solio to charge all of your handheld electronics can reduce energy consumption. Over a twelve month period 100,000 mobile phone users charging their phones would produce: a). 172,500 pounds of carbon dioxide (CO2) equivalent in volume of 6 million basketballs; b). 412 pounds of sulphur dioxide (SO2) equivalent of



Disposal Overview - Meets LifeCycle Standard

Bio-degradable : **No**

Bio-degradable Percentage : **0.0%**

Accreditation : None

Recyclable : **Yes**

Recyclable Percentage : **80.0%**

Accreditation : None

All elements can be recycled except the Solar Panels, which have a 20 year useable life.

Additional Description : All packaging is recycled and recyclable material as well.

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