Lighting Global
Standardized Specifications Book

Manufacturer: Fenix International

Component Family Name: Fenix Power Family

Date of Standardized Specifications Book Expiration: February 28, 2022

Verify Online: https://data.verasol.org/products/sek/fx-fpf

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This Lighting Global Standardized Specifications Book presents a **component-level Standardized Specifications Sheet** listing the available components in the product family by component type, each individual component's performance rating, and performance results for each component tested according to the Edition 4 of IEC 62257-9-5. Following the component-level Standardized Specifications Sheet is a **list of the systems** covered by this Specifications Book that use combinations of these components.

<u>NOTICE</u>: Systems or kits developed using components from the component family will each perform differently and have not all been evaluated on a system-level basis. All systems listed in this Specifications Book are regarded to have passed the applicable Lighting Global Quality Standards.

Quality Standards Framework Version: 2020
Revision: 2020.06

Component-Level Standardized Specifications Sheet
Fenix International
Fenix Power Family

Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
25 Wh Battery	Lithium ion	3.6	7800	7930
108 Wh Battery	Lithium ion	14.4	7800	7900

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
10 W PV Module	10	10
40 W PV Module*	40	43

*The 40 W PV module comprises two 20 W PV modules connected in parallel when the product is in use. Only one PV module was tested; the reported PV power and current have been multiplied by two.

Light Sources*

Name / Model Number	Luminous Flux Rating (lm)			Measured Luminous Flux (lm)			Measured Lamp Efficacy (lm/W)		
	High	Medium	Low	High	Medium	Low	High	Medium	Low
Curie LED Light	215	--	--	190	99	46	110	120	90

Appliances*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
19" TV	19" diagonal TV	--	7.8	--	--
24" TV	24" diagonal TV	--	8.1	--	--

NOTICE: As indicated, not all components listed on this page were tested according to the Quality Test Method (QTM) in Edition 4 of IEC 62257-9-5. However, based on the satisfactory performance of the tested components in the family, the components that were not tested are regarded to have passed the applicable Lighting Global Quality Standards. In addition, all tested components passed an internal inspection, the full array of applicable QTM durability tests, as well as ingress protection testing (where applicable).
 *Light points and appliances may perform differently when used with different systems.

List of Covered Systems
Fenix International
Fenix Power Family

System Name	Number of each component included in each system							
	Curie LED Light	10 W PV Module	40 W PV Power (2 x 20 W)**	3.6 V 25 Wh Battery with Volta Power System	14.4 V 108 Wh Battery with Lyra Power System	3.6 V 25 Wh Battery with Vega Power System	19" TV	24" TV
Fenix Power 2*	2	1		1				
Fenix Power 3	3	1		1				
Fenix Power Boost 2	2	1				1		
Fenix Power Boost 3	3	1				1		
Fenix Power Pro 2	2		1		1			
Fenix Power Pro 19" TV	2		1		1		1	
Fenix Power Pro 24" TV	2		1		1			1

*Tested as a full system. Individual SSS available on Lighting Global website.

**The 40 W PV module comprises two 20 W PV modules connected in parallel when the product is in use. Only one PV module was tested; the reported PV power and current have been multiplied by two.

NOTICE:

Only the Fenix Power 2 was fully tested as a system according to Edition 4 of IEC 62257-9-5. An individual Standardized Specifications Sheet (SSS) that reports system-level performance is available for the Fenix Power 2 at www.lightingglobal.org/products. Systems that were not tested, but that were developed using components from the component family will perform differently than the system shown in the individual system-level SSS. All systems listed above are regarded to have passed the applicable Lighting Global Quality Standards.

Unless otherwise noted, the following information applies to all listed systems and components:

Warranty Information

A 3-year warranty covers the power system and solar panel; A 2-year warranty covers other components

Marks and Certifications

Factory certification	ISO 9001:2015