

# VeraSol

## Standardized Specifications Book

**Manufacturer:** ZOLA Electric

**Component Family Name:** ZOLA Flex Family

**Date of Standardized Specifications** July 31, 2023  
**Book Expiration:**

**Verify Online:** <https://data.verasol.org/products/sek/zle-family>

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This VeraSol 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.

**NOTICE:** 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 or to meet the requirements in IEC 62257-9-8.

**Quality Standards Framework Version:** 2021

**Revision:** 2021.07

# Component-Level Standardized Specifications Sheet

## ZOLA Electronics

### ZOLA Flex Family

#### Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (Ah)	Measured Battery Capacity (Ah)
9 Ah	Lithium-ion	12.8	9	8.7
18 Ah	Lithium-ion	12.8	18	18

#### PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
40 W	40	38
80 W	80	77

#### Light Sources\*

Name / Model Number	Luminous Flux Rating (lm)	Measured Luminous Flux (lm)	Measured Lamp Efficacy (lm/W)
	Full	Full	Full
LED bulb	100	130	140
Tubelight	300	300	130

#### Appliances\*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (Ah)	Measured Battery Capacity (Ah)
19" TV	19" diagonal ( 9.6 W power consumption while in-use)	12.5	9.6	--	--
24" TV	Not Tested	--	--	--	--
32" TV	32" diagonal ( 13 W power consumption while in-use)	20	13	--	--
16" Fan	16" fan (8 W power)	18	8	--	--

**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 or the requirements in IEC 62257-9-8. 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

ZOLA Electronics

ZOLA Flex Family

System Name	Number of each component included in each system									
	40 W PV	80 W PV	9 Ah battery	18 Ah battery	LED bulb	Tubelight	Fan	19" TV	24" TV	32" TV
ZOLA FLEX LIGHTS	1		1		3	1				
ZOLA FLEX 19"	1		1		3	1		1		
ZOLA FLEX PLUS 24" TV		1		1	4	1			1	
ZOLA FLEX PUS 24" + FAN		1		1	4	1	1		1	
ZOLA FLEX PLUS 32" TV **		1		1	4	1				1

\*\*Tested as full systems. Individual SSS available on VeraSol website.

## **NOTICE:**

Only the ZOLA FLEX PLUS 32" was fully tested as systems according to Edition 4 of IEC 62257-9-5. Individual Standardized Specifications Sheets (SSS) that report system-level performance are available for the ZOLA FLEX PLUS 32" at <https://data.verasol.org/products/sek/>

Systems that were not tested, but that were developed using components from the component family will perform differently than the system(s) shown in the individual system-level SSS. All systems listed above are regarded to have passed the applicable Lighting Global Quality Standards or the requirements in IEC 62257-9-8.

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

## **Warranty Information**

5-year warranty for power box, PV and lights, 1-year warranty for appliances.