

# VeraSol Standardized Specifications Book

**Manufacturer:** Bright Products AS

**Component Family Name:** Bright Home Family

**Date of Standardized**

**Specifications Book Expiration:** May 31, 2022

**Verify Online:** <https://data.verasol.org/products/sek/bp-bhomefamily>

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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:** 2021.04

# Component-Level Standardized Specifications Sheet

Bright Products AS

Bright Home Family

## Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (Ah)	Measured Battery Capacity (Ah)
Main unit with 3 Ah battery	Lithium iron phosphate	9.6	3	3.2
Main unit with 6.4 Ah battery	Lithium iron phosphate	12.8	6.4	6.8
Bright Start +	Lithium iron phosphate	3.2	0.5	0.44

## PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
Bright Start + integrated PV module	--	0.43
10 W PV module	10	10
20 W PV module	20	not tested
40 W PV module	40	38

## 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
Fixed-focus lamp	200	--	--	230	--	--	120	--	--
Tubelight	400	--	--	500	--	--	130	--	--
Bright Start +	25	8	1	28	--	--	92	--	--

## Appliances\*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (Ah)	Measured Battery Capacity (Ah)
24" TV	24" TV and remote control	10	11	--	--

**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).

# List of Covered Systems

Bright Products AS  
Bright Home Family

System Name	Number of each component included in each system								
	10 W PV module	20 W PV module	40 W PV module	Main unit with 3 Ah battery	Main unit with 6.4 Ah battery	Fixed-focus lamp	Tube light	Bright Start+	24" TV
<b>BRIGHT Home 300</b>	1	--	--	1	--	3	--	--	--
<b>BRIGHT Home 600</b>	--	1	--	--	1	3	1	--	--
<b>BRIGHT Home 800 TV**</b>	--	--	1	--	--	3	2	1	1

**NOTICE:**

Only the Bright Home 800 TV 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 Bright Home 800 TV, the , and the 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**

Two year warranty on all kits and components

**Marks and Certifications**

Safety certification	RoHS 2011/65/EU and (EU) 2015/863; EN IEC 55015:2
Other certification	CE 2014/30/EU

# Available Daily Electrical Energy and Port Information

Bright Products AS

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System Name	Available Daily Electrical Energy (Wh/day)	Includes ports for charging?
<b>Bright Home 800 TV**</b>	94	yes

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

**NOTICE:**

The available daily electrical energy (Wh/day) is calculated for fully tested systems following the energy service calculations as described in IEC/TS 62257-9-5 Ed. 4. For products in a family that are not tested as a full system, estimations of available daily electrical energy (Wh/day) are calculated according to an alternative method using data from the test reports of fully-tested products and components. Estimating Wh/day values requires making assumptions about system efficiencies, power consumption, and user behavior. As with any calculation based on multiple assumptions, there is some degree of error in the Wh/day estimate, which may be greater or less than the actual value for a given product.