

VeraSol

Standardized Specifications Book

Manufacturer: BeeBeeJump Technology Co., Ltd

Component Family Name: Beebeesolar S1 Plus Family

Date of Standardized Specifications Book Expiration: June 30, 2024

Verify Online: <https://data.verasol.org/products/sek/bbj-s1pfamily>

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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 IEC TS 62257-9-8.

Quality Standards Framework Version: 2023

Revision: 2023.10

Component-Level Standardized Specifications Sheet

BeeBeeJump Technology Co., Ltd

Beebeesolar S1 Plus Family

Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (Ah)	Measured Battery Capacity (Ah)
Battery A	Lithium iron phosphate	12.8	25	27
Battery B	Lithium iron phosphate	12.8	27	25

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
80 W PV module	80	73
100 W PV module	100	Not tested
120 W PV module	120	Not tested
160 W PV module	160	150
200 W PV module	200	190

Light Sources*

Name / Model Number	Luminous Flux Rating (lm)		Measured Luminous Flux (lm)		Measured Lamp Efficacy (lm/W)	
	High	Low	High	Low	High	Low
9.5 W LED bulb	860	Not Stated	850	420	110	120
1.5 W LED bulb	110	Not Stated	140	40	90	130

Appliances*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
Fan	A standing fan (16" diameter, 13 W power).	Not Stated	13	n/a	n/a

*Light points and appliances may perform differently when used with different systems.

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 IEC TS 62257-9-8:2020. 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

BeeBeeJump Technology Co., Ltd

Beebeesolar S1 Plus Family

System Name	Number of each component included in each system									
	Battery A	Battery B	9.5 W LED bulb	1.5 W LED bulb	80 W PV module	100W PV module	120W PV module	160 W PV module	200 W PV module	Fan
S1 Plus A20-160 **	1	--	2	--	--	--	--	1	--	--
S1 Plus A20-1601	1	--	2	--	--	--	--	1	--	1
S1 Plus A40-160 / Lumos L1***	1	--	4	--	--	--	--	1	--	--
S1 Plus A40-1601	1	--	4	--	--	--	--	1	--	1
S1 Plus A20-080	1	--	2	--	1	--	--	--	--	--
S1 Plus A20-0801	1	--	2	--	1	--	--	--	--	1
S1 Plus A22-080	1	--	2	2	1	--	--	--	--	--
S1 Plus A22-0801	1	--	2	2	1	--	--	--	--	1
S1 Plus A20-100	1	--	2	--	--	1	--	--	--	--
S1 Plus A20-1001	1	--	2	--	--	1	--	--	--	1
S1 Plus A22-100	1	--	2	2	--	1	--	--	--	--
S1 Plus A22-1001	1	--	2	2	--	1	--	--	--	1
S1 Plus A20-120	1	--	2	--	--	--	1	--	--	--
S1 Plus A20-1201	1	--	2	--	--	--	1	--	--	1
S1 Plus A22-120	1	--	2	2	--	--	1	--	--	--
S1 Plus A22-1201	1	--	2	2	--	--	1	--	--	1
S1 Plus A20-200	1	--	2	--	--	--	--	--	1	--
S1 Plus A20-2001	1	--	2	--	--	--	--	--	1	1
S1 Plus A40-200	1	--	4	--	--	--	--	--	1	--
S1 Plus A40-2001	1	--	4	--	--	--	--	--	1	1
S1 Plus B20-160	--	1	2	--	--	--	--	1	--	--
S1 Plus B20-1601	--	1	2	--	--	--	--	1	--	1
S1 Plus B40-160	--	1	4	--	--	--	--	1	--	--
S1 Plus B40-1601	--	1	4	--	--	--	--	1	--	1
S1 Plus B20-080	--	1	2	--	1	--	--	--	--	--
S1 Plus B20-0801	--	1	2	--	1	--	--	--	--	1
S1 Plus B22-080	--	1	2	2	1	--	--	--	--	--
S1 Plus B22-0801	--	1	2	2	1	--	--	--	--	1

S1 Plus B20-100	--	1	2	--	--	1	--	--	--	--
S1 Plus B20-1001	--	1	2	--	--	1	--	--	--	1
S1 Plus B22-100	--	1	2	2	--	1	--	--	--	--
S1 Plus B22-1001	--	1	2	2	--	1	--	--	--	1
S1 Plus B20-120	--	1	2	--	--	--	1	--	--	--
S1 Plus B20-1201	--	1	2	--	--	--	1	--	--	1
S1 Plus B22-120	--	1	2	2	--	--	1	--	--	--
S1 Plus B22-1201	--	1	2	2	--	--	1	--	--	1
S1 Plus B20-200	--	1	2	--	--	--	--	--	1	--
S1 Plus B20-2001	--	1	2	--	--	--	--	--	1	1
S1 Plus B40-200	--	1	4	--	--	--	--	--	1	--
S1 Plus B40-2001	--	1	4	--	--	--	--	--	1	1

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

***The Lumos L1 is co-branded by Lumos Global BV and is equivalent to the Beebeejump version. For more details, please visit the product's listing at <https://data.verasol.org/products/sek/lumos-l1>

The SKUs in the table are interpreted as follows. In S1Plus [XXX]-[XXXX]:
When the digits in [XXX]-[XXXX] are shown, the default components may be changed as follows:
Digit 1: The type of Battery : Battery A = 27Ah, Battery B = 25Ah. (measured capacity)
Digit 2: The qty of 9.5W LED bulb
Digit 3: The qty of 1.5W LED bulb
Digit 4-6: The power of solar panel : They are 80W, 100W, 120W, 160W, 200W
Digit 7: The qty of FAN, 0 means none and can be omitted.

NOTICE:

Only the kits denoted with ** were tested as full systems according to Edition 4 of IEC 62257-9-5 and passed IEC 62257-9-8 standards. An Individual Standardized Specification Sheet (SSS) that reports system-level performance is available for these systems at VeraSol.org. 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 IEC 62257-9-8.

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

Warranty Information

A 2-year warranty covering manufacturing defects in the system and a 1-year warranty for accessories

Available Daily Electrical Energy and Port Information

BeeBeeJump Technology Co., Ltd
Beebeesolar S1 Plus Family

System Name	Available Daily Electrical Energy (Wh/day)	Includes ports for charging?
S1 Plus A20-160**	400	yes
S1 Plus A20-1601	400	yes
S1 Plus A40-160 / Lumos L1	400	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.