VeraSol
Standardized Specifications Book

Manufacturer: Shenzhen Solar Run Energy Co. Ltd.

Component Family Name: Apollo Family

Date of Standardized Specifications Book Expiration: January 31, 2022

Verify Online: https://data.verasol.org/products/sek/ssr-apollofamily

Contact Information: info@solarunoffgrid.com

Website: www.solarunoffgrid.com

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.

Quality Standards Framework Version: 2019
Revision: 2021.03

Component-Level Standardized Specifications Sheet
Shenzhen Solar Run Energy Co. Ltd.
Apollo Family

Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
Main Unit with 6 Ah battery	Lithium iron phosphate	12.8	6000	5700
Main Unit with 9 Ah battery	Lithium iron phosphate	12.8	9000	9700
Main Unit with 12 Ah battery	Lithium iron phosphate	12.8	12000	12000
Main Unit with 18 Ah battery	Lithium iron phosphate	12.8	18000	18000
Torch battery	Lithium iron phosphate	3.2	600	600

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
20 W PV module	20	22
30 W PV module	30	31
40 W PV module	40	not tested
50 W PV module	50	53
Integrated Torch PV Module	0.2	0.18

Light Sources*

Name / Model Number	Luminous Flux Rating (lm) On	Measured Luminous Flux (lm) On	Measured Lamp Efficacy (lm/W) On
2 W LED lamp (240 lm)	240	240	57
3 W LED lamp (275 lm)	240	280	110
5 W Tubelight (500 lm)	500	500	110
Torch (front light)	50	56	95

Appliances*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
Radio	Portable radio with 3.7 V internal battery	--	0.44	1500	1900

List of Covered Systems
Shenzhen Solar Run Energy Co. Ltd.
Apollo Family

System Name	Number of each component included in each system												
	2 W LED bulb (240lm)	3 W LED bulb (275 lm)	5 W Tubelight (500 lm)	Main unit with 6 Ah battery §	Main unit with 9 Ah battery §	Main unit with 12 Ah battery §	Main unit with 18 Ah battery §	20 W PV module	30 W PV module	40 W PV module	50 W PV module	Solar Torch	Radio
SR31A (Apollo 9) **	3				1						1	1	1
SR31B	3			1					1			1	1
SR31B+	3			1						1		1	1
SR31C	3				1					1		1	1
SR31D (SD-K025L1) †		3		1					1				1
SR31E (SD-K025L2) †		3	1			1					1		1
SR33	2			1					1				1
SR31B******/XYG	0-5	0-5	0-5	1					1			0-1	0-1
SR31B+******/XYG	0-5	0-5	0-5	1						1		0-1	0-1
SR31A******/XYG	0-5	0-5	0-5		1					1		0-1	0-1
SR31E******/XYG	0-5	0-5	0-5			1					1	0-1	0-1
SR31F******/XYG	0-5	0-5	0-5				1				1	0-1	0-1
SR33A******/XYG	0-5	0-5	0-5	1				1				0-1	0-1
SR33A+******/XYG	0-5	0-5	0-5	1					1			0-1	0-1
SR33B******/XYG	0-5	0-5	0-5		1					1		0-1	0-1
SR33E******/XYG	0-5	0-5	0-5			1					1	0-1	0-1
SR33F******/XYG	0-5	0-5	0-5				1				1	0-1	0-1

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

† The SR31D and SR31E are co-branded by Sandisolar Renewable Energy Development International Company Limited under the model numbers SD-K025L1 and SD-K025L2 and are equivalent to the Shenzhen Solar Run versions. For more details, visit the product's listing at: www.data.verasol.org/products/sek/san-apollofamily

§ Kits that start with the code SR31 use the K025 control box, which includes 2 USB ports and 5 12-V ports.
Kits that start with the code SR33 use the K019 control box, which includes 6 USB Ports and 3 12-V ports.

These SKUs are interpreted as follows: A:9AH; B:6AH; E:12AH ; F:18AH
******: Each # can be either 1, 2, 3, 4, 5 or blank, and is used to represent the type and number of light bulbs (2W,3W,5W) included with the kit.
X includes torch; Blank without ; Y includes Radio, blank without ; G represent PAYG mode, Blank without PAYG
Example: SR31F122315, Includes (1) 2 w lamp, (2) 3w bulbs, (1) 5w tubelight, and no additional appliances or PAYG

NOTICE:

Only the SR31A was fully tested as a system according to Edition 4 of IEC 62257-9-5. Individual Standardized Specifications Sheet (SSS) that reports system-level performance is available for the SR31A at www.verasol.org/products. 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.

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

Warranty Information

Two year warranty on all kits and 1 year warranty on torch and radio