

# Lighting Global Standardized Specifications Book

**Manufacturer:** Renewit Solar Limited

**Component Family Name:** Large Home Power Station for Solar TV

**Date of Standardized  
Specifications Book Expiration:** May 31, 2021

**Verify Online:** [www.lightingglobal.org/products/ri-hpstv-family](http://www.lightingglobal.org/products/ri-hpstv-family)

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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.

**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:** 2020

**Revision:** 2020.03

# Component-Level Standardized Specifications Sheet

Renewit Solar Limited

Large Home Power Station for Solar TV

## Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
Main Unit with 15.4 Ah battery	Lithium Ion	14.8	15400	15400
Main Unit with 9 Ah battery	Lithium Ion	14.8	9000	--
Main Unit with 6.6 Ah battery	Lithium Ion	14.8	6600	6700
Wireless lamp battery	Lithium Ion	3.7	2000	2000
Flashlight battery	LiFePO4	3.2	400	420

## PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
56 W	60	56
40 W	40	--
30 W	30	33

## Light Sources\*

Name / Model Number	Luminous Flux Rating (lm)		Measured Luminous Flux (lm)		Measured Lamp Efficacy (lm/W)	
	High	Low	High	Low	High	Low
Wired Lamp	120	--	100	45	150	150
Wireless Lamp	--	--	130	61	130	140
Flashlight	25	--	24	--	110	--

## Appliances\*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
24" TV	One 24" LED TV with a power consumption of 14 W while in use	--	14	--	--
8" Fan	One USB plug-in table fan on high with a power consumption of 5.5 W while in use	5.5	5.5	--	--
Portable radio	AM/FM rechargeable radio with 3.7 V Li-ion battery	--	0.16	1000	990

**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

## Renewit Solar Limited

### Large Home Power Station for Solar TV

System Name	Number of each component included in each system											
	Wired Lamp	Wireless Lamp	Flashlight	Radio	TV	Fan	Main unit with 6.6 Ah battery	Main unit with 9.0 Ah battery	Main unit with 15.4 Ah battery	30 W PV Module	40 W PV Module	56 W PV Module
Large Home Power Station for Solar TV RNTS105**	3	2	1	1	1	1			1			1
Large Home Power Station for Solar TV RNTS105-1	3	2	1	1	1	1		1				1
Large Home Power Station for Solar TV RNTS105-2	3	2	1	1	1	1	1					1
Large Home Power Station for Solar TV RNTS105-3	3	2	1	1	1	1			1		1	
Large Home Power Station for Solar TV RNTS105-4	3	2	1	1	1	1		1			1	
Large Home Power Station for Solar TV RNTS105-5	3	2	1	1	1	1	1				1	
Large Home Power Station for Solar TV RNTS105-6	3	2	1	1	1	1			1	1		
Large Home Power Station for Solar TV RNTS105-7	3	2	1	1	1	1		1		1		
Large Home Power Station for Solar TV RNTS105-8	3	2	1	1	1	1	1			1		
Large Home Power Station for Solar TV RNTS105-9	3		1	1					1			1
Large Home Power Station for Solar TV RNTS105-10	3		1	1				1				1
Large Home Power Station for Solar TV RNTS105-11	3		1	1			1					1
Large Home Power Station for Solar TV RNTS105-12	3		1	1					1		1	
Large Home Power Station for Solar TV RNTS105-13	3		1	1				1			1	
Large Home Power Station for Solar TV RNTS105-14	3		1	1			1				1	
Large Home Power Station for Solar TV RNTS105-15	3		1	1					1	1		
Large Home Power Station for Solar TV RNTS105-16	3		1	1				1		1		
Large Home Power Station for Solar TV RNTS105-17	3		1	1			1			1		
Large Home Power Station for Solar TV RNTS105-18	3								1			1
Large Home Power Station for Solar TV RNTS105-19	3							1				1
Large Home Power Station for Solar TV RNTS105-20	3						1					1
Large Home Power Station for Solar TV RNTS105-21	3								1		1	
Large Home Power Station for Solar TV RNTS105-22	3							1			1	
Large Home Power Station for Solar TV RNTS105-23	3						1				1	
Large Home Power Station for Solar TV RNTS105-24	3								1	1		
Large Home Power Station for Solar TV RNTS105-25	3							1		1		
Large Home Power Station for Solar TV RNTS105-26	3						1			1		

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

Only the Large Home Power Station for Solar TV (RNTS105) was fully tested as a system according to Edition 4 of IEC 62257-9-5. Individual Standardized Specifications Sheets (SSS) that report system-level performance are available for the Large Home Power Station for Solar TV (RNTS105) at [www.lightingglobal.org/products](http://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(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 components

#### Marks and Certifications

Factory certification

ISO 9001:2015; ISO 14001:2015