

Lighting Global Standardized Specifications Book

Manufacturer: Amped Innovation PBC

Component Family Name: WOWsolar family

**Date of Standardized
Specifications Book Expiration:** September 30, 2020

Verify Online: <http://www.lightingglobal.org/products/ai-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 latest version of the Quality Test Method (QTM) in IEC 62257-9-5 or the Lighting Global Quality Assurance Protocol for Solar Home System Kits, as applicable. 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: 2017

Revision: 2019.10

Component-Level Standardized Specifications Sheet

Amped Innovation PBC

WOWsolar family

Battery / Control Box

Name / Model Number	Battery Capacity Rating (Ah)	Measured Battery Capacity (Ah)
1.5 Ah battery	1.5	1.5
6 Ah external battery	6	5.7

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
6 W PV module	6	6.1
10 W PV module	10	9.5
15 W PV module	15	not tested
20 W PV module	20	not tested
30 W PV module	30	not tested
40 W PV module	40	35

Light Sources

Name / Model Number	Luminous Flux Rating (lm)		Measured Luminous Flux (lm)		Measured Lamp Efficacy (lm/W)	
	Bright	Dim	Bright	Dim	Bright	Dim
Round Lamp	140	50	120	49	110	116

Appliances

Name / Model Number	Description	Rated Power (W)	Measured Power (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
WOW SolarTV	19" TV	11	10.4	--	--
WOW22	WOWsolar TV 22"	10	--	--	--
WOW32	WOWsolar TV 23"	13	10.1	--	--

NOTICE: As indicated, not all components listed on this page were tested according to the Quality Test Method (QTM) in IEC 62257-9-5 or the Lighting Global Quality Assurance Protocols for Solar Home System Kits. 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).

List of Covered Systems

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System Name	Number of each component included in each system										
	Round lamp	Control unit with 1.5 Ah battery	6 Ah external battery	6 W PV module	10 W PV module	15 W PV module	20 W PV Module	40 W PV Module	WOW SolarTV	WOW22 TV	WOW32 TV
WOWSolar 60 *	3	1		1							
WOWSolar 100	3	1			1						
WOWSolar 150	3	1				1					
WOWSolar 200	3	1					1				
WOWSolar 400	4	1	1					1			
WOWSolar TV*	4	1	1					1	1		
WOWSolar 22	4-6	1	1					1		1	
WOWSolar 32	4-6	1	1					1			1

*Tested as full system. Individual SSS available on Lighting Global website. The WOWSolar 60 is also available with 4 lamps

NOTICE:

Only the WOWsolar 60 (with 3 lamps) and WOWsolar TV were fully tested as systems according to the Quality Test Method (QTM) in IEC 62257-9-5 or the Lighting Global Quality Assurance Protocol for Solar Home System Kits, as applicable. Individual Standardized Specifications Sheets (SSS) that report system-level performance are available for the WOWsolar 60 (with 3 lamps) and WOWsolar TV at 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

A 2-year warranty on the system and a 1-year warranty on the TV.