LUMN M600 Series Solar Light and Phone Charger M600 Omnivoltaic Energy Solutions Co., Ltd. Verify online: Results based on test procedures detailed in IEC 62257-9-5 v.4 lid unti No 30 202 Meets the Lighting Global Solar Home System Kit Quality Standards Mobile charging PAYG Pay-As-You-Go option available 4 Light point(s) Plug-and-play

WARRANTY INFORMATION A 2-year warranty covering manufacturing defects.

PERFORMANCE DETAILS						
				-	vpical day of solar ging	
				(assuming 5kWh/m²/day)		
		Appliance ^a	Description	Used alone ^b	Used in combination ^c	
	included in kit	Main Lamp	1 light point on Super totaling 320 lumens and 2 W power	15 hours	4.9 hours	
	incluc k	Secondary Lamp (3x)	3 light points on Super totaling 300 lumens and 3.3 W power	11 hours	4.9 hours	
> e	ely	Radio	Portable (Li-ion battery: 0.8 Ah, 3.7 V), with a power consumption of 0.4 W while in-use	64 hours	4.2 hours	
	barat	Mobile phone	Basic phone (3.7 Wh battery)	8.5 full charge(s)		
	sold separately	Mobile phone	Smart phone (5.7 Wh battery)	5.4 full charge(s)	1.4 full charge(s)	
	sol	Torch (front light on)	33 lumens torch, (LiFePO4 battery: 0.5 Ah, 3.2 V) with a power consumption of 0.3 W while in use	78 hours	5.5 hours	

Available daily electrical energy (Wh/day)^c

Performance measure	Brightness setting: Super		
Lighting full battery run time (hours)	6.3		
Lighting full battery run time ^d for main unit (hours)	6.3		
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	4100		

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^a Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

^b Without any other loads used during the run time

^c Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

^d Lighting full battery run time estimates do not account for mobile phone charging or other auxiliary loads; the run time is defined as the time until the output is 70% of the initial, stabilized output.

LIGHTING DETAILS	

Lamp name	Number of lamps	Number of settings	Setting	Light output (Im)	Lumen efficacy ^e (Im/W)	CRI ^f	ССТ ⁹	Distribution type	Lumen maintenance ^h
Main Lamp	1	3	Super	320	160	82	5072	Wide	99%
Secondary Lamp	3	3	Super	110	160	82	5072	Wide	99%

^e Lumen efficacy is the power consumption at a light point during the light output test.

^f Color Rendering Index. An index of 100 is equivalent to vieiwing objects in daylight; above 80 is considered good.

^g Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

^h Percent of the original light output that remains after 2,000 hours of run time

PORTS							
1 USB 2.0 type A			One USB port for charging mobile phones, radio and appliances. Adapters are included.				
3	Barrel jack		3 ports for charging and power appliances, these ports are used for light points only.				
DURABILITY							
Overall durability	and workmanship		Pass				
Durability tests passed			Switch test, Drop test (PAYG Keypad), Strain relief test, Physical ingress protection.				
Mair		Main Unit	Has protection from occasional rain; met IPX1				
Level of water pr	Level of water protection		Has protection from permanent outdoor exposure				
		PAYG Keypad	Has protection from occasional rain; met IPX1				
SOLAR DETAIL	.S						
PV module type			Polycrystalline silicon				
PV maximum po	wer		12 watts				
MAIN UNIT BAT	ITERY DETAILS						
Battery replaceal	bility		Not easily replaceable with common tools.				
Battery chemistry	У		Lithium-ion				
Battery package	type		2 X (2 X 18650)				
Battery capacity			4.9 Ah				
Battery nominal	voltage		7.2 V				
Battery status inc	dication		Three indicators for battery state of charge.				
PRODUCT DET	AILS						
Manufacturer name			Omnivoltaic Energy Solutions Co., Ltd.				
Product name			LUMN M600 Series Solar Light and Phone Charger				
Product model / ID number			M600				
Contact information			sales@omnivoltaic.com				
Website			www.omnivoltaic.com				
Dimensions (entire product in package)			Multiple packages. Contact manufacturer for more information.				
Mass			2150 g				
SSS INFORMATIO	ON						
Specs sheet expiration date			November 30, 2022				
Quality standards framework version			2021				
Revision			2021.01				