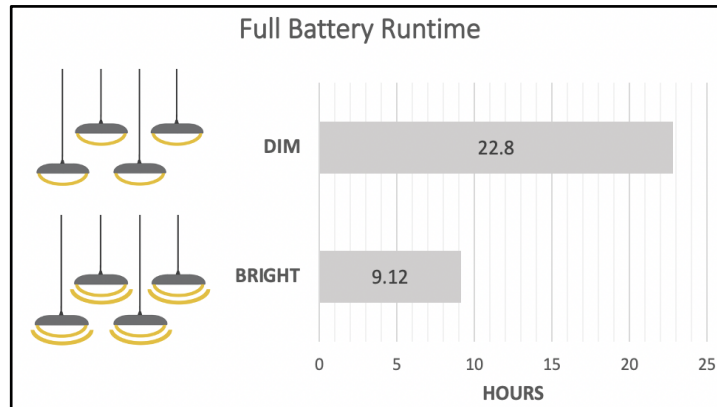


Amped

INNOVATION

Amped WOWsolar 400 – Specification



System Facts:

- Lights, Radio and Torch Power System
 - TV or Fan upgrade available
- 40Whr Battery Capacity.
 - Up to 200Whr Battery Capacity upgrade
- 15W or 20W continuous solar power input.
 - Up to 55W continuous solar power input on main controller with upgrade
- Environment-Friendly Battery
- Replaceable Battery
- RoHS Compliant
- Verasol and Lighting Global Certified
- USB Phone Charger Adapter DC Cable

- Solar Charge Controller
- PAYGO Included
- Input and Output Port Protection

Ports:

- 40Whr Base Controller, 4x 12V outputs
- Controller outputs are expandable with optional 2-way DC Splitter
- 2x USB Ports on Controller. Charges multiple phones

Warranty:

- Controller and Lighting: limited 24-month warranty
- Other appliances (radio and torch): limited 12-month warranty

Special Features

- Upgradeable to additional appliances, solar panels, battery packs, and LED lamps. Typical TV upgrade includes: 40W solar panel, 80Wh external lithium battery and solar television.
- Amped appliances all include PAYGO.
- Intelligent Battery Management.

Solar Charge Controller	
Solar Panel Input Ports	3x 3A DC 2.5mm x 5.5mm coaxial, reverse polarity protected
Output Port 12V (TV / Appliances / Lights)	4x2.4A 2.1mm x 5.5mm coaxial short circuit protected
Output USB Ports (Phones / Tablet)	2x USB ports DC 5V, low power port (1A), high power port (2A)
Solar & Battery Monitor	Multi-Level Feedback
Input/Output Monitor	Displays will note an error if overcharge on input or short circuit on output.
Housing Material	ABS
Compliance	RoHS, Lighting Global, UN38.8

Battery	
Battery Type	Deep Cycle LiFePO4
System Battery Capacity	40Whr
Battery package type	Two 4x18650 in series with cell balancing
Battery Voltage / Current	12.8V / 8.5Amp Max
Expandable	Yes, up to 200Wh with Television Upgrade
Expansion Packs	80Wh
Expansion Battery Connection	2xRJ12 ports. Can use up to 20cm RJ12 cable to external battery.
Battery Protection	Full Protection IC Controlled
Battery Cell Balancing	Intelligent battery balancing to maintain capacity over time. IC-controlled charge voltage cutoff and includes individual balancer circuit components to maintain balance across all cells.
Battery Replacement	Yes
Amped Appliance Security Enabled	Yes
Battery protection	Over charge and discharge protection, full balancing, fused

Solar Panel	
Solar Panel (PV)	15W or 20W PV Panel
System PV Capacity	Up to 55W PV with upgrade
Water & Dust Protection	16V / Polycrystalline / 33 Cell IP 3x
PV Cable	6m, 5.5x2.5mm Barrel Port
PV Frame	Aluminum

Solar Lights	
Lamp Type	LED
Lamp Brightness (dim / bright)	50 / 140 or 80 / 375 Lumens
Color Characteristics	LED Cool White 5000K 70CRI
Distribution	Wide Lambertian
System Light Capacity	Up to 6 Lamps
Expandable	Yes, up to 10 Lamps
Lamp Options	LED round style, 140 Lm and/or 375Lm
Lumen Maintenance	>90% the original output after 2,000 hours run time
Water and Dust Protection	IP 3x

PAYGO	
Payment Feature	Included
PAYGO	8-digit, keypad-based, Skip32 decryption engine. Can authorize up to 652 days at a time. Can be permanently unlocked or relocked if ever needed to support an additional loan.

Optional Accessories

DC Splitter Cable for Lights	8.5" 2- way
USB Phone Charger Adapter DC Cable	Medusa
DC Extension Cable	7-meter
Radio	<ul style="list-style-type: none">● 7Whr battery capacity● Built-in torch● Lithium-Ion
Torch	<ul style="list-style-type: none">● 7Whr battery capacity● Lithium-Ion

Product Details

Product Name	WOWsolar400
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