

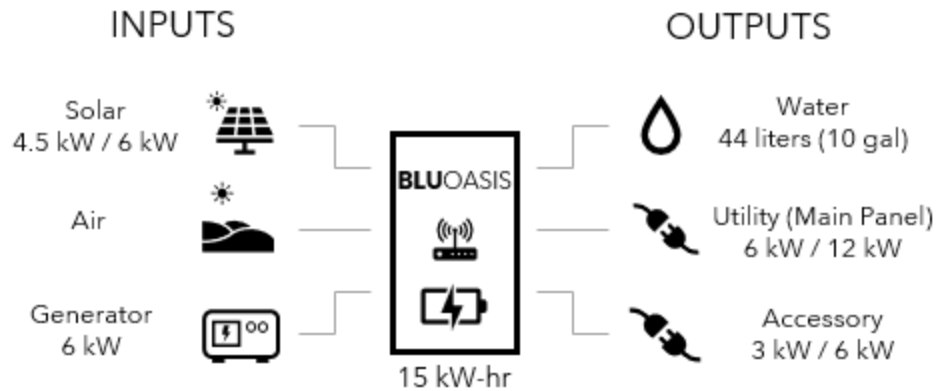
BLUOASIS



BLUOASIS 1506 | 1512 MODELS

The BluOasis® 1506 and 1512 units are the first fully integrated solar power and water production units for a single-family home, school, or clinic. Each unit has been optimized for easy setup and simple operation using an intuitive power interface and control panel. In addition, each unit is IoT-enabled for remote monitoring and operation and provides user-controlled power switching.

BluOasis® units can produce up to 10 gallons of water per day with the atmospheric water generator at 80 deg F and >60% relative humidity with a sufficiently sized solar array. Its rechargeable 15 kW-hr lithium-iron-phosphate (LiFePO4) battery provides energy storage for self-consumption as well as providing 6kW or 12kW of AC utility and accessory power. The integrated power management system can receive DC power from up to 6kW of solar arrays or AC power from a generator. Its standard electrical interfaces make it simple to connect and power a remote job site, off-grid equipment, or even a home.

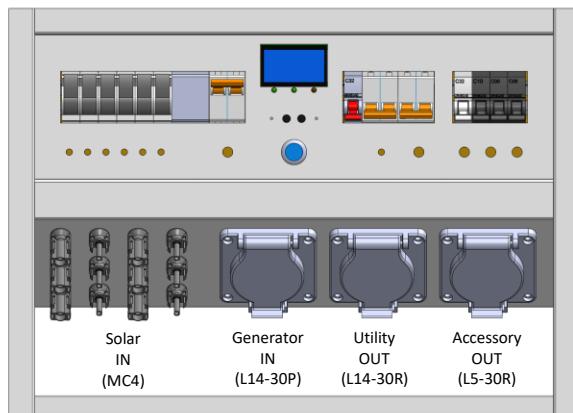


PERFORMANCE SPECIFICATIONS

Model Number	BluOasis® 1506	BluOasis® 1512
Maximum Daily Water Production @ 26 °C (80 °F), 60% RH	44 liters (10 gallons)	44 liters (10 gallons)
Watermaker Operating Temperature Range	13 to 35 °C (56 to 95 °F)	13 to 35 °C (56 to 95 °F)
Water Outlet	¾" NPPT	¾" NPPT
Total Battery Capacity	15 kW-hr	15 kW-hr
Number of Battery Modules	1	1
Battery Module Chemistry	LiFePO4	LiFePO4
Nominal Battery DC Voltage	52 V	52 V
Max Continuous Output Power	6 kW	12 kW
Surge Rating (<5 sec)	18 kW	36 kW
Output Waveform	Pure Sine	Pure Sine
Factory Programmable AC Output Voltages	110/220 V or 120/240 V	110/220 V or 120/240 V
Factory Programmable AC Output Frequency	50Hz or 60Hz	50Hz or 60Hz
Utility AC Output	220 V or 240 V @ 30 A	220 V or 240 V @ 50 A
Controllable Accessory AC Output	110 V or 120 V @ 30 A	220 V or 240 V @ 30 A
Generator AC Input	220 V or 240 V @ 30 A	220 V or 240 V @ 30 A
Maximum Solar Array Input	4.5 kW	6.0 kW
Number of Solar Array Input Strings	6 @ 10 A 90 VDC Max	8 @ 10 A 90 VDC Max
System Consumption (Idle / with Watermaking)	80 W / 580 W	180 W / 680 W
Unit Dimensions (HWL)	147 x 66 x 102 cm (58 x 26 x 40 in)	147 x 66 x 102 cm (58 x 26 x 40 in)
Unit Mass	357 kg (785 lb)	402 kg (885 lb)
Operating Environment	Indoor	Indoor
Power System Operating Temperature	0 to 45 °C (32 to 113 °F)	0 to 45 °C (32 to 113 °F)
Non-Operating Storage Temperature	-20 to 60 °C (-4 to 160 °F)	-20 to 60 °C (-4 to 160 °F)

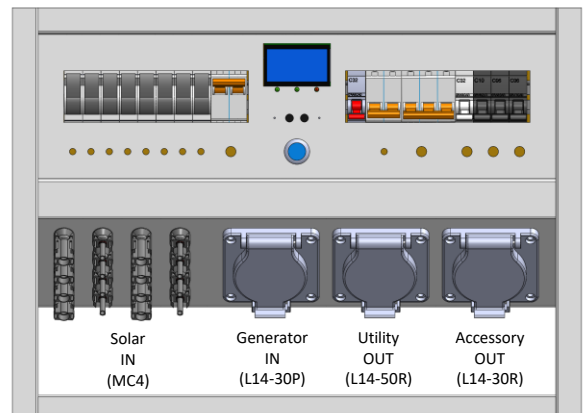
POWER INTERFACE PANEL CONFIGURATIONS

BluOasis 1506



Six (6) @ < 90VDC / 10 Amp 240VAC / 30 Amp 240VAC / 30 Amp 120VAC / 30 Amp

BluOasis 1512



Eight (8) @ < 90VDC / 10 Amp 240VAC / 30 Amp 240VAC / 50 Amp 240VAC / 30 Amp