

<b>ATONA</b>	<b>Atona Solar</b>	<b>Atona Hybrid</b>
Type	Solar luminaire	Hybrid luminaire (solar & grid power)
Application	Off-grid locations and ecologically sensitive areas	Locations which require a redundant power supply
Operation control	Timer and / or photoelectric lighting controller	Timer and / or photoelectric lighting controller
Days of autonomy	> 3 Days	Redundant - solar, grid
Energy supply	Photovoltaic module: 20 Wp, battery pack	Photovoltaic module: 20 Wp, battery pack, grid power
<b>Lighting technology</b>		
Light source	Power LEDs : 48 x 1W or 12 x 3W	Power LEDs : 48 x 1W or 12 x 3W
Colour temperature	3500 K / 4000 K / 4500 K / 6500 K	6500 K
Lamp wattage (dimnable)	2 - 20 W	2 - 30 W
Luminous flux (lumen)	approx. 372 - 830 with 10,0 W	approx. 1100 with 14,0 W
Average LED-life	> 50.000 hours	> 50.000 hours
<b>Electronics</b>		
Electronic control	Microcontroller	Microcontroller
Charging current	max. 2A	max. 2A
Idle consumption	< 10 mA	< 10 mA
Protections	Against module reverse current, overcharging, deep discharging, reverse polarity and overload	
Operating voltage	12V DC / battery	230V AC / grid or 12V DC / battery
Type of battery	Lead-acid rechargeable batteries	Lead-acid rechargeable batteries
Battery capacity	customer or application specific	customer or application specific
<b>Mechanics</b>		
Pole fitting	Standard : Screw coupling for a 76 mm pole Optional : Custom fitting as per order	
Lighting fixture	Aluminum enclosure with integrated solar module, weatherproof and insect proof, pole fitting made of hot dip galvanized steel or stainless steel	
Colour	Aluminium or any RAL color	Aluminium or any RAL color
Dimension of lighting fixture in mm	945x260x65	945x260x65
Weight	11kg	11kg
<b>Mounting</b>		
Pole dimension	Total height: 5,8 m; Light spot height: 5,0 m; pole diameter 133 mm / 76 mm	
Pole material	Galvanized steel, optional powder coated finish in any RAL-Colour	