

SWISS SOLUTIONS LED Street Light SOLAR SL100

Swiss Solutions SOLAR LED STL100 All-In-One

An all-in-one design with high luminous efficacy, featuring high-efficiency mono-crystalline solar panel and a high-capacity battery for extended operation. Integrated smart sensors optimize the runtime of the light, while the removable battery ensures easy maintenance. Slim Aesthetic design. IP66 rating. Available from 30W up to 100W. With its 195 lumen/W ratio the system provide an enormously high light output for a solar system light fixture.

The internal, replaceable battery is LiFePO4 type. The charge time of the battery is >2,5 up to 4.5 hours depending on the model. Operating time (intelligent mode) is 3 days.

The standard mast adapter is adjustable in two directions up to 45°.

Intelligent mode for long operating time. Equipped with a MPPT (Maximum Power Point Controller) to maximize the energy harvested from the solar panel and safely deliver it to the battery unit. The benefit of the MPPT controller is 15% to 30% more energy out of the exact same type of solar panels compare to the older technology. Better weather and shade management to keep the power flowing efficiently. Removable battery box allows quick replacement after the service life has expired.

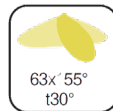
Available with 2 different optics, 61x151° t30°, 63x155° t30°.



Article numbers Optic 61x151°:

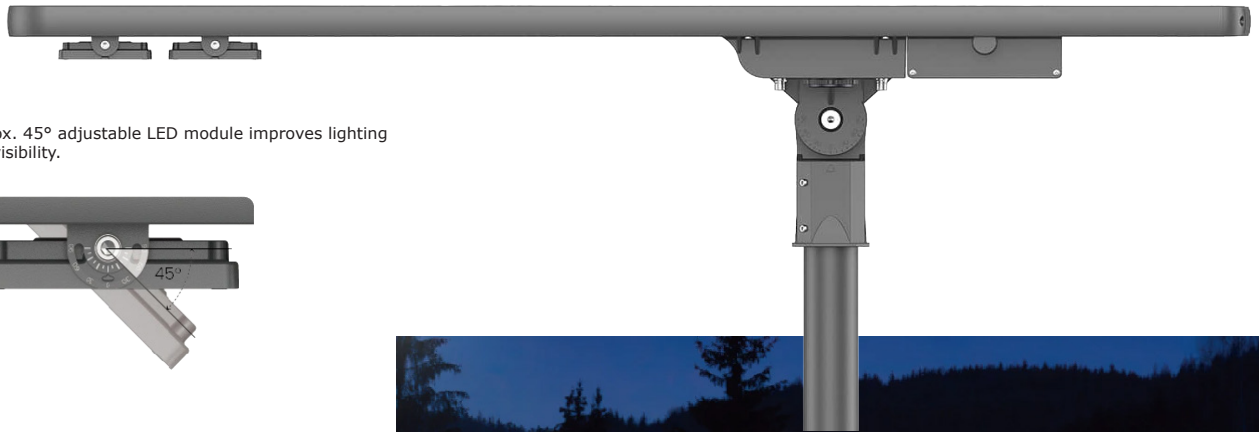


Article No.	Description	Watt	Lumen	Battery Wh	Solar panel	lm/W	Charge time	Operation time (Intelligent mode)	Weight kg	Dim. LxWxH mm
83SW5030	Solar LED ST100-030	30	5.850 lm	76,8	39W	195	>2,5 hours	3 days	7,7	663x363x75
83SW5031	Solar LED ST100-040	40	7.800 lm	153,6	52W	195	>3,5 hours	3 days	8,9	848x363x75
83SW5032	Solar LED ST100-060	60	11.700 lm	230,4	66W	195	>4,0 hours	3 days	11,8	1075x363x80
83SW5033	Solar LED ST100-080	80	15.600 lm	307,2	90W	195	>4,0 hours	3 days	15,8	1098x493x40
83SW5034	Solar LED ST100-100	100	19.500 lm	460,8	113W	195	>4,5 hours	3 days	18,0	1358x493x80

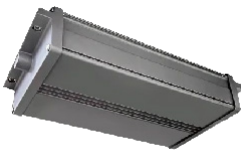
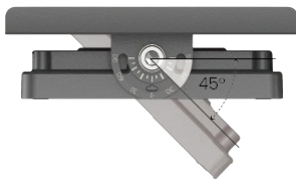


Article numbers Optic 63x155°:

Article No.	Description	Watt	Lumen	Battery Wh	Solar panel	lm/W	Charge time	Operation time (Intelligent mode)	Weight kg	Dim. LxWxH mm
83SW5035	Solar LED ST100-030	30	5.850 lm	76,8	39W	195	>2,5 hours	3 days	7,7	663x363x75
83SW5036	Solar LED ST100-040	40	7.800 lm	153,6	52W	195	>3,5 hours	3 days	8,9	848x363x75
83SW5037	Solar LED ST100-060	60	11.700 lm	230,4	66W	195	>4,0 hours	3 days	11,8	1075x363x80
83SW5038	Solar LED ST100-080	80	15.600 lm	307,2	90W	195	>4,0 hours	3 days	15,8	1098x493x40
83SW5039	Solar LED ST100-100	100	19.500 lm	460,8	113W	195	>4,5 hours	3 days	18,0	1358x493x80



approx. 45° adjustable LED module improves lighting and visibility.



Easy replaceable battery box.



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