

SWISS SOLUTIONS LED Street Light SOLAR ST5000

Swiss Solutions SOLAR LED ST5000 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. IP66 rating. Available from 30W up to 100W. With its 200 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 >9 hours.

Operating time (intelligent mode) is 3-4 days.

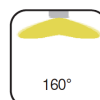
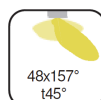
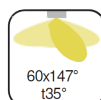
The standard mast adapter is adjustable in two directions up to 80°.

The Smart PIR sensor controls the runtime. It reduce the light output when there is no movement in the nearby direction of the light fixture. 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.

Available with 3 different optics, 60x147° t35°, 48x157° t45°, 160°.



Article numbers Optic 160°:



Article No.	Description	Watt	Lumen	Battery Wh	Solar panel	lm/W	Charge time	Operation time (Intelligent mode)	Weight kg	Dim. LxBxH mm
83SW5000	Solar LED ST5000-030	30	6.000 lm	230,4	45W	200	>9 hours	3-4 days	13,5	796x422x342
83SW5001	Solar LED ST5000-040	40	8.000 lm	307,2	63W	200	>9 hours	3-4 days	16,5	1100x422x342
83SW5002	Solar LED ST5000-050	50	10.000 lm	384,0	63W	200	>9 hours	3-4 days	17,0	1100x422x342
83SW5003	Solar LED ST5000-060	60	12.000 lm	460,8	80W	200	>9 hours	3-4 days	20,0	1282x422x342
83SW5004	Solar LED ST5000-080	80	16.000 lm	460,8	80W	200	>9 hours	3-4 days	21,5	1282x422x342
83SW5005	Solar LED ST5000-100	100	20.000 lm	614,4	90W	200	>9 hours	3-4 days	24,0	1532x422x342

Article numbers Optic 60x147°:

Article No.	Description	Watt	Lumen	Battery Wh	Solar panel	lm/W	Charge time	Operation time (Intelligent mode)	Weight kg	Dim. LxBxH mm
83SW5006	Solar LED ST5000-030	30	6.000 lm	230,4	45W	200	>9 hours	3-4 days	13,5	796x422x342
83SW5007	Solar LED ST5000-040	40	8.000 lm	307,2	63W	200	>9 hours	3-4 days	16,5	1100x422x342
83SW5008	Solar LED ST5000-050	50	10.000 lm	384,0	63W	200	>9 hours	3-4 days	17,0	1100x422x342
83SW5009	Solar LED ST5000-060	60	12.000 lm	460,8	80W	200	>9 hours	3-4 days	20,0	1282x422x342
83SW5010	Solar LED ST5000-080	80	16.000 lm	460,8	80W	200	>9 hours	3-4 days	21,5	1282x422x342
83SW5011	Solar LED ST5000-100	100	20.000 lm	614,4	90W	200	>9 hours	3-4 days	24,0	1532x422x342

Article numbers Optic 48x157°:

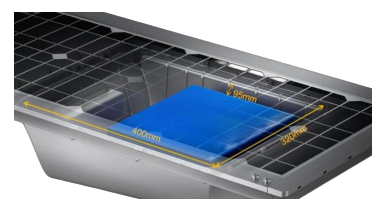
Article No.	Description	Watt	Lumen	Battery Wh	Solar panel	lm/W	Charge time	Operation time (Intelligent mode)	Weight kg	Dim. LxBxH mm
83SW5012	Solar LED ST5000-030	30	6.000 lm	230,4	45W	200	>9 hours	3-4 days	13,5	796x422x342
83SW5013	Solar LED ST5000-040	40	8.000 lm	307,2	63W	200	>9 hours	3-4 days	16,5	1100x422x342
83SW5014	Solar LED ST5000-050	50	10.000 lm	384,0	63W	200	>9 hours	3-4 days	17,0	1100x422x342
83SW5015	Solar LED ST5000-060	60	12.000 lm	460,8	80W	200	>9 hours	3-4 days	20,0	1282x422x342
83SW5016	Solar LED ST5000-080	80	16.000 lm	460,8	80W	200	>9 hours	3-4 days	21,5	1282x422x342
83SW5017	Solar LED ST5000-100	100	20.000 lm	614,4	90W	200	>9 hours	3-4 days	24,0	1532x422x342



approx. 80° adjustable angle for flexible installation



All-In-One technique



Internal LiFePo battery



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