



*Smarter Today,
Sustainable Tomorrow*



FLAIR

ALL-IN-ONE SOLAR LIGHTING SOLUTIONS



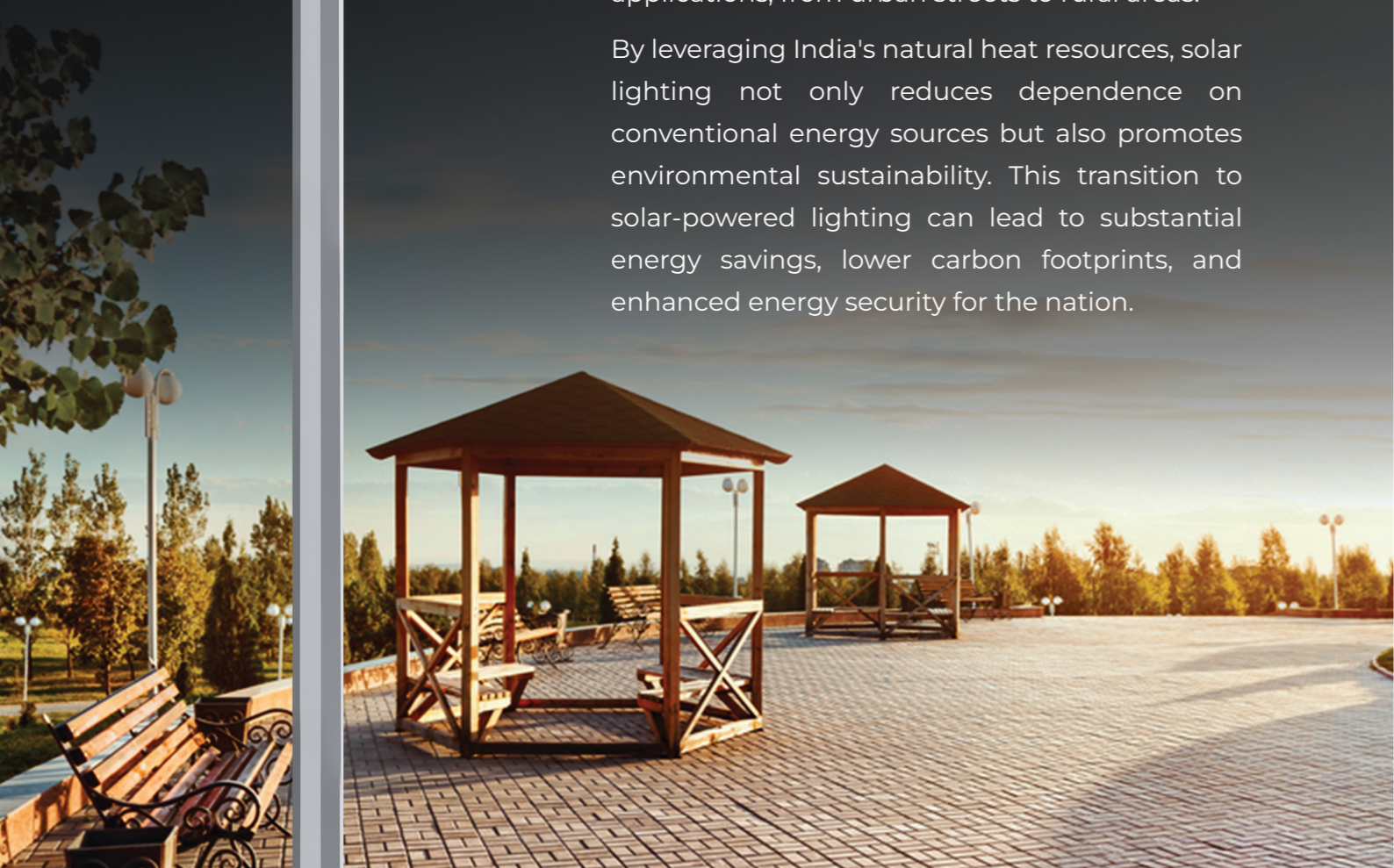
FLAIR

ALL-IN-ONE SOLAR LIGHTING SOLUTIONS

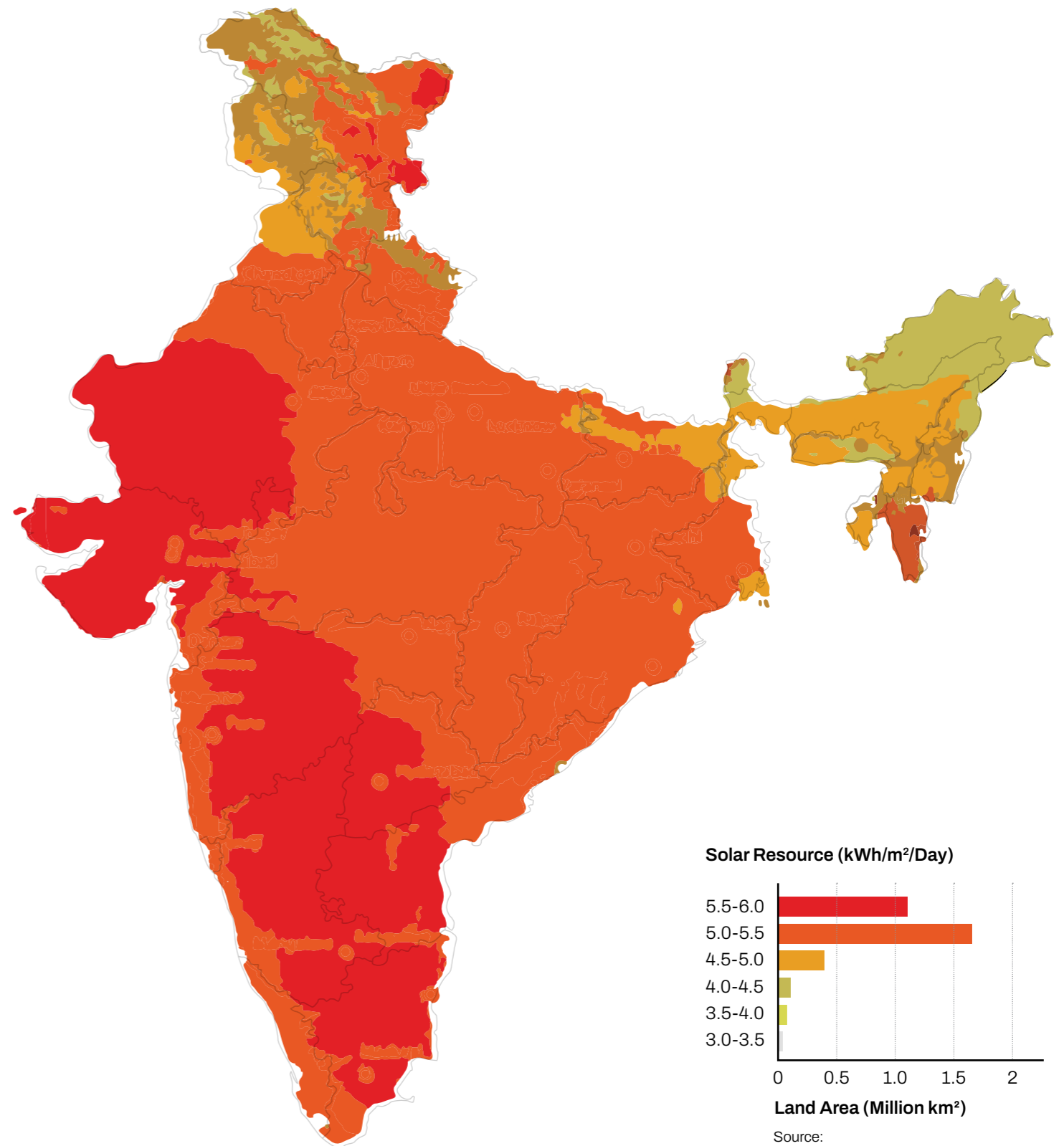


Introducing the Bajaj Flair All-in-One Solar Street Light, a state-of-the-art lighting solution designed for optimal performance across 80% of India's Solar Heat Map. With customizable dimming profiles and integrated components, it ensures efficient energy use, superior illumination, and reliable operation for diverse applications, from urban streets to rural areas.

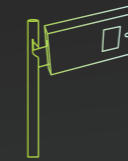
By leveraging India's natural heat resources, solar lighting not only reduces dependence on conventional energy sources but also promotes environmental sustainability. This transition to solar-powered lighting can lead to substantial energy savings, lower carbon footprints, and enhanced energy security for the nation.



INDIA SOLAR HEAT RESOURCE



FEATURES & BENEFITS



FLAIR AIO

Slick Luminaire with LiFePO Battery, solar panel and charger built into the luminaire.



ENERGY SAVING

100% Solar Powered, 100% Energy saving.



EASY FOR SHIPPING & INSTALLATION

Compact volume, portable Off Grid Connection easy to install. No external cable required.



SOLAR DIFFERENTIAL DIMMING PROFILE

- First 0 to 2 Hrs - 100%
- Next 2 to 4 Hrs - 60%
- Remaining Hrs - 30%



FACTORY SET DIMMING

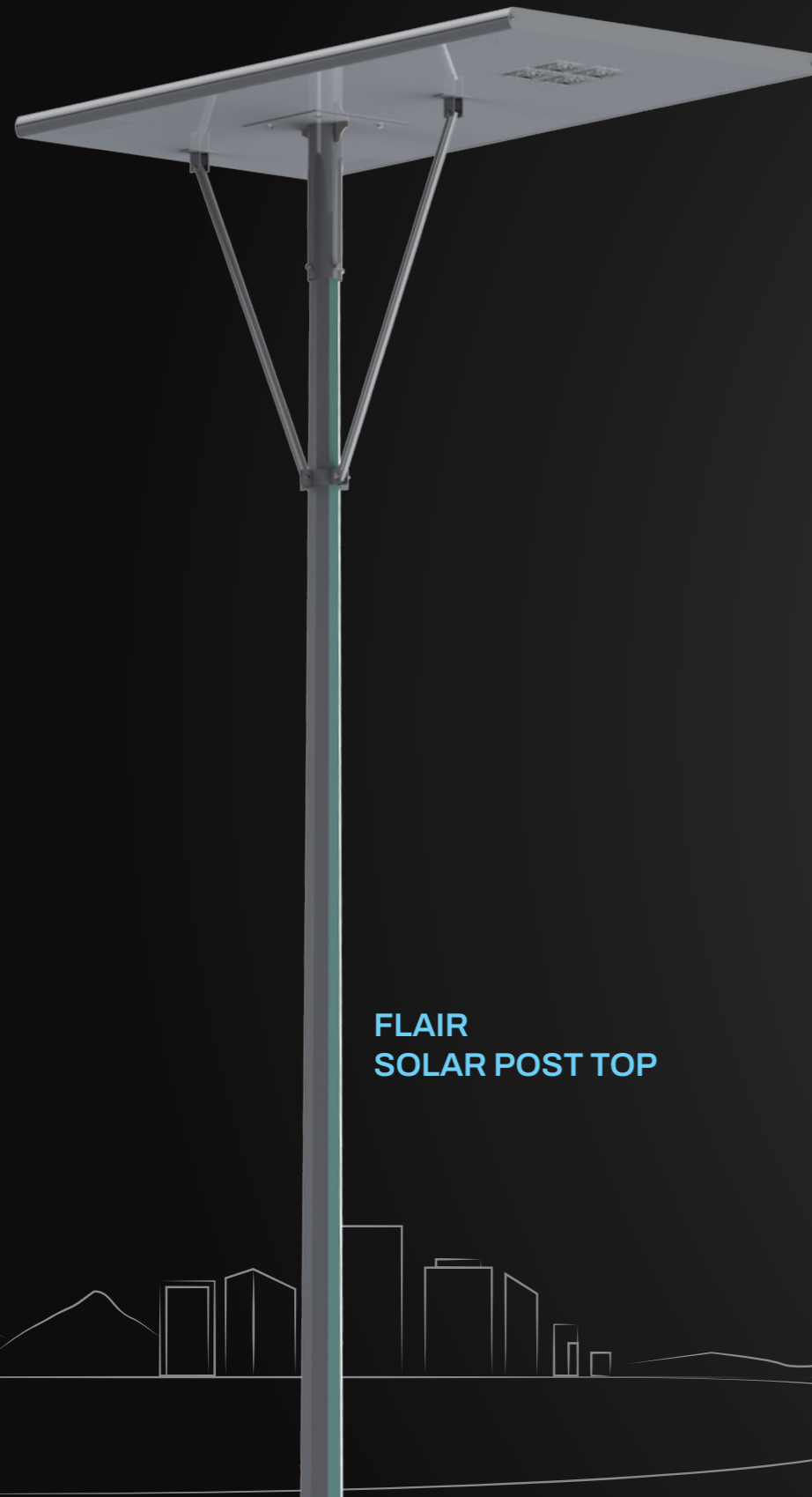
Dimming Profile Configurable as per Battery and Panel capacity.



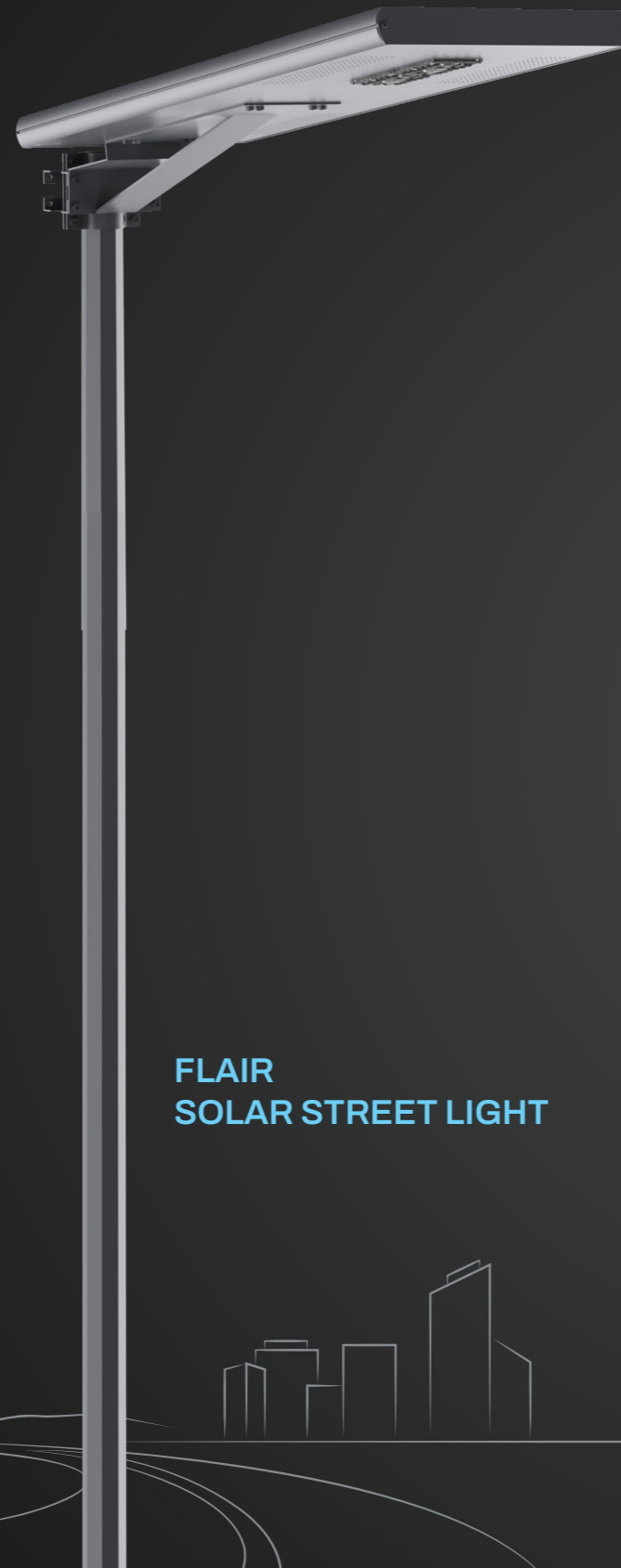
SMART & CONNECTED

Cloud-enabled web application for remote monitoring and dashboards for predictive maintenance.

- Motion sensor option available on request
- Consider Charging Time Up to 5Hrs/Day with Clear Sun Light.
- Charging time varies with season & GEO location.
- Refer Solar irradiation map before selecting a product.



**FLAIR
SOLAR POST TOP**



**FLAIR
SOLAR STREET LIGHT**

GENERAL INFORMATION

Product Category	: Solar All in One Street Light
Luminaire efficacy**	: >175 lm / W
CCT	: 5665±355K
CRI	: >70
Operating Temperature Range	: -10°C to +50°C
Beam Angle	: 135° x 85°
Average lumens per hour	: 50% of Max Power (as par individual SKU)*

OPERATING & ELECTRICAL

Charge Controller	: MPPT
LED Driver Type	: DC-DC
Charge Controller Efficiency	: ≥ 90%
Autonomy	: 2 Days with Differential Dimming*
Charging Time ^	: 1 Day
Input voltage	: 140Vac to 270 Vac (For HYB)
Pole Dia.	: 50-100mm
Ingress Protection	: IP65
Impact Protection	: IK07#

- Average lumen/hour : 50% of max power (as per individual SKU)
- * Autonomy : As per TDS
- ^12 Hours a day
- **Lux level varies with operational time
- #IK rating is not applicable for PV module

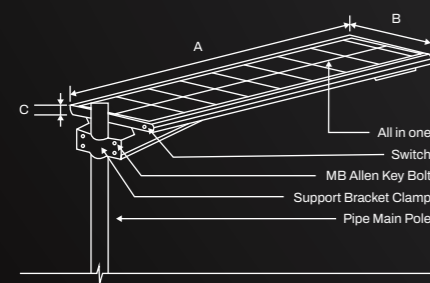
APPLICATION



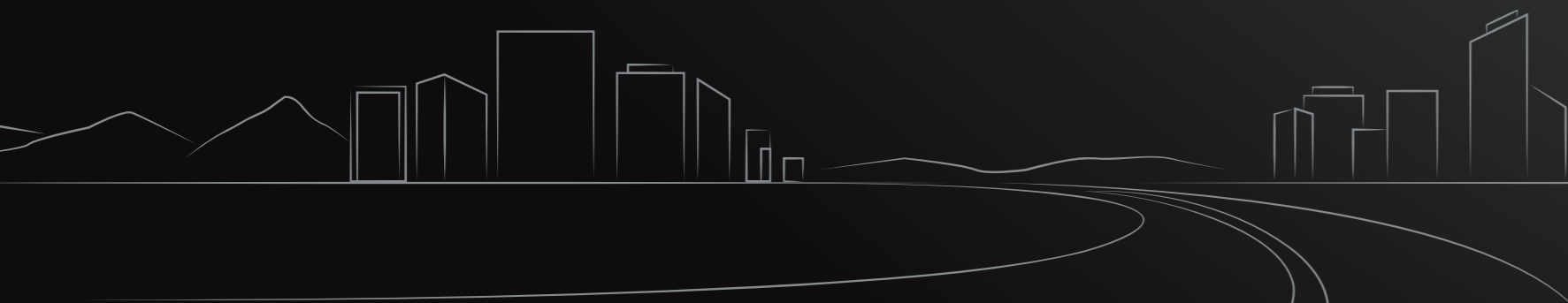
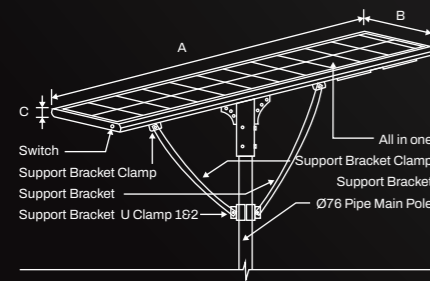
SPECIFICATIONS & DIMENSIONS

Product Code	Product Cat ref	Luminous flux (lm)	Solar Panel	Dimensions L x B x H (mm)	MPPT+Driver Spare Code	Battery LiFePO4	Battery Weight (approx)
152664	BSS FLAIR P 21L WH HW LF MP	2100	30W (Mono) 18V	730 x 375x 55	152655	152559	144Wh 12Kg
152665	BSS FLAIR P 21L WH HW LF MP HYB	2100	30W (Mono) 18V	730 x 375x 55	152655	152559	144Wh 12Kg
152666	BSS FLAIR P 26L WH HW LF MP	2625	35W (Mono) 18V	730 x 375x 55	152656	152560	216Wh 14Kg
152667	BSS FLAIR P 26L WH HW LF MP HYB	2625	35W (Mono) 18V	730 x 375x 55	152656	152560	216Wh 14Kg
152668	BSS FLAIR P 31L WH HW LF MP	3150	40W (Mono) 18V	730 x 375x 55	152657	152651	288Wh 16Kg
152669	BSS FLAIR P 31L WH HW LF MP HYB	3150	40W (Mono) 18V	730 x 375x 55	152657	152651	288Wh 16Kg
152670	BSS FLAIR P 35L WH HW LF MP	3500	50W (Mono) 18V	905 x 375x 55	152658	152651	288Wh 17Kg
152671	BSS FLAIR P 35L WH HW LF MP HYB	3500	50W (Mono) 18V	905 x 375x 55	152658	152651	288Wh 17Kg
152672	BSS FLAIR P 43L WH HW LF MP	4375	60W (Mono) 18V	995 x 375x 55	152659	152561	360Wh 20Kg
152673	BSS FLAIR P 43L WH HW LF MP HYB	4375	60W (Mono) 18V	995 x 375x 55	152659	152561	360Wh 20Kg
152674	BSS FLAIR P 52L WH HW LF MP	5250	70W (Mono) 18V	1012 x 500x 55	152660	152652	432Wh 22Kg
152675	BSS FLAIR P 52L WH HW LF MP HYB	5250	70W (Mono) 18V	1012 x 500x 55	152660	152652	432Wh 22Kg
152676	BSS FLAIR P 70L WH HW LF MP	7000	90W (Mono) 18V	1055 x 550x 55	152661	152653	576Wh 25Kg
152677	BSS FLAIR P 70L WH HW LF MP HYB	7000	90W (Mono) 18V	1055 x 550x 55	152661	152653	576Wh 25Kg
152678	BSS FLAIR P 87L WH HW LF MP	8750	120W (Mono) 18V	1255 x 550x 55	152662	152621	648Wh 27Kg
152679	BSS FLAIR P 87L WH HW LF MP HYB	8750	120W (Mono) 18V	1255 x 550x 55	152662	152621	648Wh 27Kg
152680	BSS FLAIR P 105L WH HW LF MP	10500	140W (Mono) 18V	1425 x 550x 55	152663	152654	792Wh 31Kg
152681	BSS FLAIR P 105L WH HW LF MP HYB	10500	140W (Mono) 18V	1425 x 550x 55	152663	152654	792Wh 31Kg

Flair Solar Post Top



Flair Solar Street Light





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