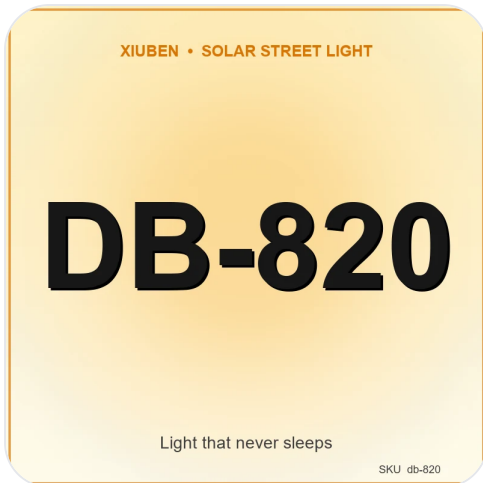




DB-820 All-in-One Solar Street Light

Model · DB-820

The DB all-in-one solar street light integrates a high-efficiency solar panel, LiFePO4 battery, MPPT controller, and high-brightness LED into a single IP66 housing. Pole-mount, no trenching, no grid power.

#all-in-one

#db-820

#db

#xiuben

3 yr

WARRANTY

10 pcs

MOQ

15-25 d

LEAD TIME

01 Specifications

Size	L820*W400*H190MM
LED	SMD 3030 48pcs
Battery	3.2V/45AH
Solar Panel	5V/35W
Install Height	4-7m
Material	Aluminum + PC
Warranty	3 years

02 Overview

DB series all-in-one solar street light is built for 4-7m pole-mount installation. The fixture integrates a high-efficiency monocrystalline solar panel, long-life LiFePO4 battery pack, intelligent MPPT charge controller, and

© 2026 Zhongshan Xiuben Lighting Co., Ltd.

xiubensolar.com · CE / RoHS / ISO 9001

high-brightness LED module into a single die-cast aluminum housing rated IP66.

The SMD 3030 48pcs configuration delivers 150-180 lm/W typical output with a 70×140° optical lens for even road coverage. The 3.2V/45AH battery and 5V/35W combination provides 10-12 hours of full-brightness illumination per night with 2-3 days of backup autonomy in overcast conditions.

Typical applications include main roads, community streets, parking lots, industrial parks, rural roadways, and commercial perimeter lighting. The integrated form factor means no external battery box, no trenching, and no electrician on site — install on a standard 60mm pole tenon with 4 M8 bolts, switch on, and walk away. OEM/ODM available: custom wattage, custom panel size, custom battery capacity, custom logo, custom packaging.

03 Get a quote

Send us your project specs — pole height, road width, quantity, target country. We come back with a FOB Zhongshan price, lead time, and a reference project in your region — usually the same day.

WhatsApp · +86 136 0033 9827

Email · sales@xiubensolar.com