

**PBOX**®

www.pboxlighting.com

# X5 PLUS

(All-in-One)

SPECIFICATIONS  
2020



CE | CB | IP65 | IK08



Monocrystalline  
Solar Module



Superior  
Outdoor LED



Anti-Typhoon



LiFePO4 Li-ion  
Battery



Efficient  
Controller

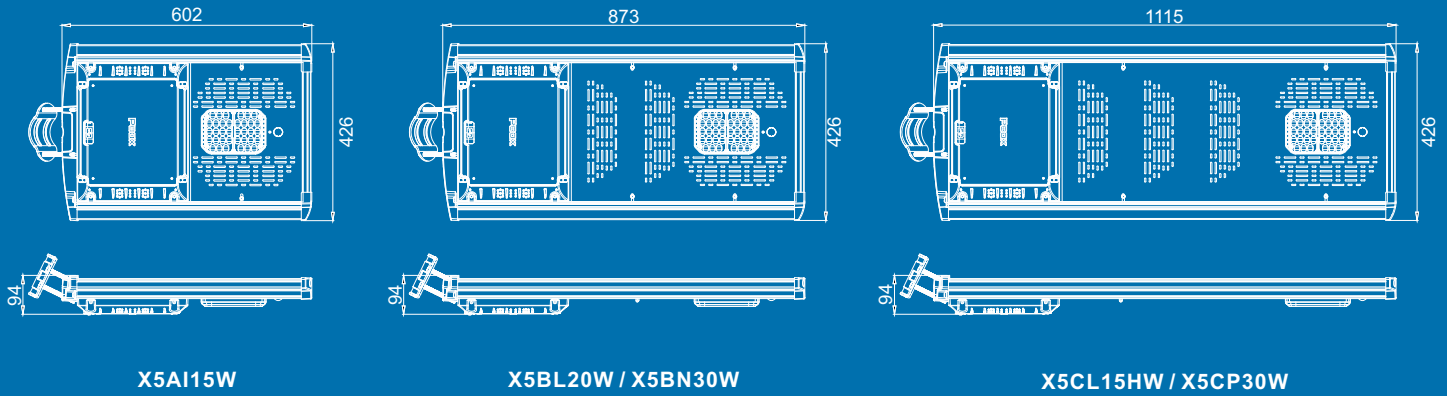


Motion Sensor



IP65

# Physical Dimensions (mm)

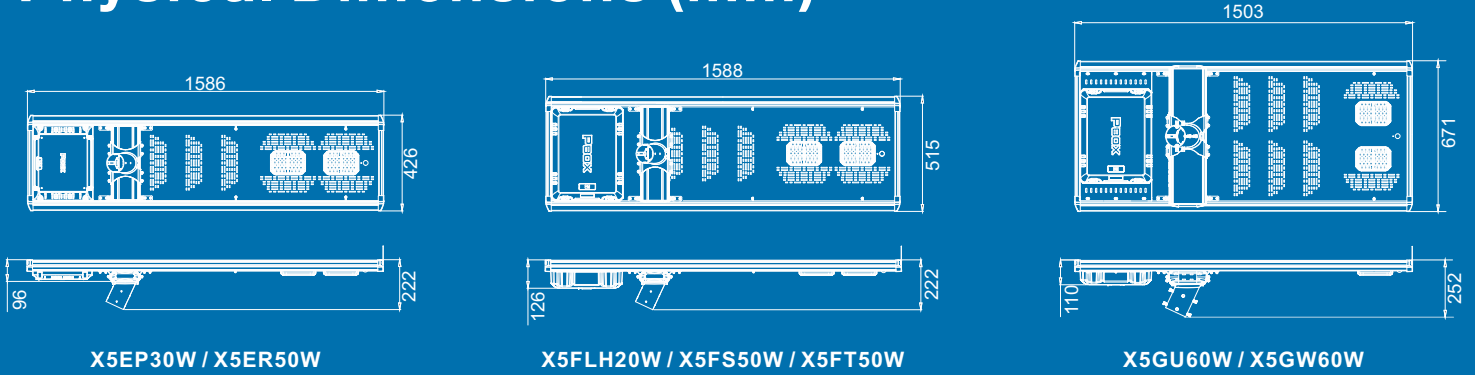


√ : Standard, / : N/A

## PBOX X5 All-in-One Technical Data

| Model No.   | X5A115W               | X5BL20W               | X5BN30W               | X5CL15HW              | X5CP30W               |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>Physical Parameters</b>                        |                       |                       |                       |                       |                       |
| Power of PV Module (W)                            | 35                    | 55                    | 55                    | 70                    | 70                    |
| LiFePO4 Li-ion Battery Capacity (Wh)              | 154                   | 230                   | 308                   | 250                   | 460                   |
| Qty. of LED Chips (pcs)                           | 16                    | 36                    | 36                    | 16                    | 36                    |
| PIR Sensor  | √                     | √                     | √                     | √                     | √                     |
| Battery Heating Function                          | /                     | /                     | /                     | √                     | /                     |
| Net Weight of Product (kg)                        | 8.5                   | 10                    | 10.5                  | 12                    | 13.5                  |
| Dimension of Product (mm)                         | 600x426x94            | 865x426x94            | 865x426x94            | 1115x426x94           | 1115x426x94           |
| Controller Type                                   | Touch-tone controller | Touch-tone controller | Touch-tone controller | Touch-tone controller | Touch-tone controller |
| <b>Light Parameters</b>                           |                       |                       |                       |                       |                       |
| Light output (W)                                  | 15                    | 20                    | 30                    | 15                    | 30                    |
| Light Distribution                                | Type 2, Type 3        | Type 2, Type 3        | Type 2, Type 3        | Type 2, Type 3        | Type 2, Type 3        |
| Color Temperature (K)                             | 5000                  | 5000                  | 5000                  | 5000                  | 5000                  |
| Typical Luminous Flux (lm)                        | 2550                  | 3400                  | 5100                  | 2550                  | 5100                  |
| Min. Working Time (Hours)                         | Full Bright           | 9                     | 10                    | 9                     | 12.5                  |
|   | Dim Mode              | 36                    | 40                    | 36                    | 50                    |
| Lighting Mode                                     |                       |                       |                       |                       |                       |
| Light Photosensitivity (lx)                       | 30                    | 30                    | 30                    | 30                    | 30                    |
| <b>Packing Parameters</b>                         |                       |                       |                       |                       |                       |
| Dimension of Carton (mm)                          | 670x260x480           | 940x260x480           | 940x260x480           | 1185x145x480          | 1185x145x480          |
| Gross Weight of Product (kg)                      | 21                    | 23                    | 24                    | 14                    | 15                    |
| Packing (pcs)                                     | 2                     | 2                     | 2                     | 1                     | 1                     |
| <b>Environment Requirements</b>                   |                       |                       |                       |                       |                       |
| Charge Temperature                                | 0°C~60°C              | 0°C~60°C              | 0°C~60°C              | -30°C~60°C            | 0°C~60°C              |
| Discharge Temperature                             | -20°C~60°C            | -20°C~60°C            | -20°C~60°C            | -30°C~60°C            | -20°C~60°C            |
| Storage Temperature                               | 0°C~45°C              | 0°C~45°C              | 0°C~45°C              | 0°C~45°C              | 0°C~45°C              |
| <b>Mounting Recommendations</b>                   |                       |                       |                       |                       |                       |
| EPA (effective projected area) (ft <sup>2</sup> ) | 1.45                  | 2.06                  | 2.06                  | 2.69                  | 2.69                  |
| APA (actual projected area) (ft <sup>2</sup> )    | 1.21                  | 1.72                  | 1.72                  | 2.24                  | 2.24                  |
| Wind Load Rate (mph)                              | 110                   | 110                   | 110                   | 130                   | 130                   |
| Top of Pole or Tenon OD (mm)                      | 75~90                 | 75~90                 | 75~90                 | 75~90                 | 75~90                 |

# Physical Dimensions (mm)



√ : Standard, / : N/A

## PBOX X5 PLUS All-in-One Technical Data

| Model No.   | X5EP30W   | X5ER50W        | X5FLH20W       | X5FS50W        | X5FT50W        | X5GU60W        | X5GW60W        |              |
|---|---|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| <b>Physical Parameters</b>                        |   |                |                |                |                |                |                |              |
| Power of PV Module (W)                            | 100   | 100            | 130            | 130            | 130            | 180            | 180            |              |
| LiFePO4 Li-ion Battery Capacity (Wh)              | 460   | 615            | 250            | 768            | 832            | 998            | 1229           |              |
| Qty. of LED Chips (pcs)                           | 36  | 2x36           | 16             | 2x36           | 2x36           | 2x36           | 2x36           |              |
| PIR Sensor  | √   | √              | √              | √              | √              | √              | √              |              |
| Battery Heating Function                          | /   | /              | √              | /              | /              | /              | /              |              |
| Net Weight of Product (kg)                        | 20  | 21             | 19             | 23             | 25             | 28             | 30             |              |
| Dimension of Product (mm)                         | 1586x426x98   |                | 1588x515x126   |                |                | 1503x671x110   |                |              |
| Controller Type                                   | Touch-tone controller   |                |                |                |                |                |                |              |
| <b>Light Parameters</b>                           |   |                |                |                |                |                |                |              |
| Light output (W)                                  | 30  | 50             | 20             | 50             | 50             | 60             | 60             |              |
| Light Distribution                                | Type 2, Type 3  | Type 2, Type 3 | Type 2, Type 3 | Type 2, Type 3 | Type 2, Type 3 | Type 2, Type 3 | Type 2, Type 3 |              |
| Color Temperature (K)                             | 5000  | 5000           | 5000           | 5000           | 5000           | 5000           | 5000           |              |
| Typical Luminous Flux (lm)                        | 5100  | 8500           | 3400           | 8500           | 8500           | 10200          | 10200          |              |
| Min. Working Time (Hours)                         | Full Bright   | 12.5           | 10.5           | 11             | 13             | 14             | 16             | 17           |
|   | Dim Mode  | 50             | 42             | 44             | 53             | 56             | 64             | 68           |
| Lighting Mode                                     | <p>Brightness graph showing light output percentage over time from dusk to dawn. A solid red line indicates 'Motion Detected' (100% brightness) and a dashed green line indicates 'No Motion' (25% brightness).</p> |                |                |                |                |                |                |              |
| Light Photosensitivity (lx)                       | 30  | 30             | 30             | 30             | 30             | 30             | 30             |              |
| <b>Packing Parameters</b>                         |   |                |                |                |                |                |                |              |
| Main Package                                      | Carton Size (mm)  | 1660x145x480   | 1660x145x480   | 1660x140x580   | 1660x140x580   | 1660x180x580   | 1575x150x740   | 1575x150x740 |
|   | Gross Weight (kg)   | 23             | 24             | 22             | 26             | 28             | 32             | 34           |
| Extra Package (for Bracket)                       | Carton Size (mm)  | 210x150x190    | 210x150x190    | 210x150x190    | 210x150x190    | 210x150x190    | 240x170x260    | 240x170x260  |
|   | Gross Weight (kg)   | 1.6            | 1.6            | 1.6            | 1.6            | 1.6            | 2.6            | 2.6          |
| <b>Environment Requirements</b>                   |   |                |                |                |                |                |                |              |
| Charge Temperature                                | 0°C~60°C  | 0°C~60°C       | -30°C~60°C     | 0°C~60°C       | 0°C~60°C       | 0°C~60°C       | 0°C~60°C       |              |
| Discharge Temperature                             | -20°C~60°C  | -20°C~60°C     | -30°C~60°C     | -20°C~60°C     | -20°C~60°C     | -20°C~60°C     | -20°C~60°C     |              |
| Storage Temperature                               | 0°C~45°C  | 0°C~45°C       | 0°C~45°C       | 0°C~45°C       | 0°C~45°C       | 0°C~45°C       | 0°C~45°C       |              |
| <b>Mounting Recommendations</b>                   |   |                |                |                |                |                |                |              |
| EPA (effective projected area) (ft <sup>2</sup> ) | 3.69  | 3.69           | 4.44           | 4.44           | 4.44           | 5.47           | 5.47           |              |
| APA (actual projected area) (ft <sup>2</sup> )    | 3.08  | 3.08           | 3.7            | 3.7            | 3.7            | 4.56           | 4.56           |              |
| Wind Load Rate (mph)                              | 130   | 130            | 209            | 130            | 130            | 130            | 130            |              |
| Top of Pole or Tenon OD (mm)                      | 65~70   | 65~70          | 65~70          | 65~70          | 65~70          | 80~85          | 80~85          |              |

### Powerband Green Energy Ltd.

2nd floor of Science & research building, #1, Pingdong 1st road, Nanping industrial park, Zhuhai, China 519060

TEL: 86-756-8680199 FAX: 86-756-8682090

E-mail: sales@pboxlighting.com

www.pboxlighting.com