E-AblePower Technology

LISHUI E-ABLE POWER EQUIPMENT CO., LTD
No.368, Chengbei Road, Liandu District, 323000, Lishui City, Zhejiang, China
www.e-ablepower.com | arthur@e-ablepower.com | WhatsApp +86 153 5558 9600

E-ABLE POWER / SOLAR GARDEN LIGHT / BOLLARD

Solar Bollard Light CPD 3006

Sky · 650 / 850 mm · Solar 4.5 W · IP65 · 180°

The Sky is a 650 / 850 mm bollard for paths, garden edges and courtyard planting. It is a pedestrian-scale fixture: the light lands on the surface people walk on, not on the space above it, which is why the format belongs to gardens and estate roads rather than to street lighting.

The head is shared across the range on a Φ235 diameter; the body is die-cast aluminium with a PC diffuser, sealed to IP65. A 4.5 W / 5 V monocrystalline panel and a 3.2 V / 6000 mAh LiFePO4 battery sit in the head.



IN THIS DATASHEET

01	Technical data	Page 2
02	Dimensions	Page 3
03	Construction	Page 4
04	Applications	Page 5

IP65	4.5 W	232–269	3–5	180°	Φ235
PROTECTION	PANEL	LUMEN	RAINY DAYS	BEAM	HEAD, MM

KEY FEATURES

01

Die-cast aluminium body
One-piece casting, corrosion resistant, fixed with stainless fasteners.

Monocrystalline panel
4.5 W / 5 V panel in the head; charges in overcast weather.

LiFePO4 battery
3.2 V / 6000 mAh; stable chemistry, deep-cycle tolerant.

180° distribution
Light spread over 180° so the pool stays on the walking surface.

IP65 protection
Sealed against rain and dust for permanent outdoor use.

Dusk-to-dawn control
Automatic on at dusk, off at dawn; no timer to set.

ORDERING OPTIONS

Model	Size	Power	Mounting	Head
CPD-3006 / 65	650 mm	Solar 4.5 W	Base, expansion screws	Φ235 mm
CPD-3006 / 85	850 mm	Solar 4.5 W	Base, expansion screws	Φ235 mm

LISHUI E-ABLE POWER EQUIPMENT CO., LTD
No.368, Chengbei Road, Liandu District, 323000, Lishui City, Zhejiang, China
www.e-ablepower.com | arthur@e-ablepower.com | WhatsApp +86 153 5558 9600

TECHNICAL DATA

02

The parameter page gives luminous flux for two colour temperatures; the two are measured on the production sample and not derived from each other. Charge time is the supplier figure for bright sunlight.

Item	650 mm	850 mm
Electrical		
Rated power	4.5 W	4.5 W
Input voltage	DC 3.2 V	DC 3.2 V
Solar panel	4.5 W / 5 V monocrystalline	4.5 W / 5 V monocrystalline
Battery	3.2 V / 6000 mAh LiFePO4	3.2 V / 6000 mAh LiFePO4
Charging time	6 h by bright sunlight	6 h by bright sunlight
Autonomy	3–5 rainy days	3–5 rainy days
Optical		
Light source	2835 SMD LED, 40 pcs	2835 SMD LED, 40 pcs
Luminous flux	232 lm (3000K) / 269 lm (6500K)	232 lm (3000K) / 269 lm (6500K)
Colour temperature	3000K – 6500K	3000K – 6500K
CRI (Ra)	> 80	> 80
Beam angle	180°	180°
Construction		
Material	Die-cast aluminium + PC	Die-cast aluminium + PC
Lamp colour	Black (other colours on request)	Black (other colours on request)
Head size	Φ235 mm	Φ235 mm
Overall size	Φ235 × 150 × H650 mm	Φ235 × 150 × H850 mm
Mounting	Base, expansion screws	Base, expansion screws
Operating		
Protection	IP65	IP65
Operating temperature	−25 to +50 °C	−25 to +50 °C
Humidity	10–90 %	10–90 %
Installation height	3–5 m	3–5 m
Packing		
Outer carton	4 pcs, 570 × 570 × 730 mm	4 pcs, 570 × 570 × 940 mm
Gross weight	13.7 kg (outer, 4 pcs)	14.75 kg (outer, 4 pcs)

NOTES

- Values are transcribed from the supplier specification sheet for this model. Where a range is given, the lower figure applies to the warm-white version and the upper to the cool-white version.
- Autonomy figures assume a full charge, the factory dusk-to-dawn program and normal winter insolation for the latitude of installation.
- Luminous flux and CRI are quoted per colour temperature; the two are measured separately on the production sample.

VERSIONS



Three-quarter view, panel facing up



Front view, fixing flange at the foot

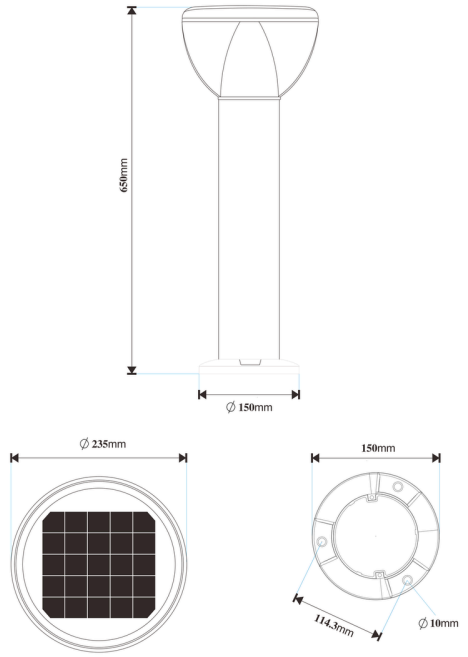
E-AblePower Technology

LISHUI E-ABLE POWER EQUIPMENT CO., LTD
No.368, Chengbei Road, Liandu District, 323000, Lishui City, Zhejiang, China
www.e-ablepower.com | arthur@e-ablepower.com | WhatsApp +86 153 5558 9600

DIMENSIONS

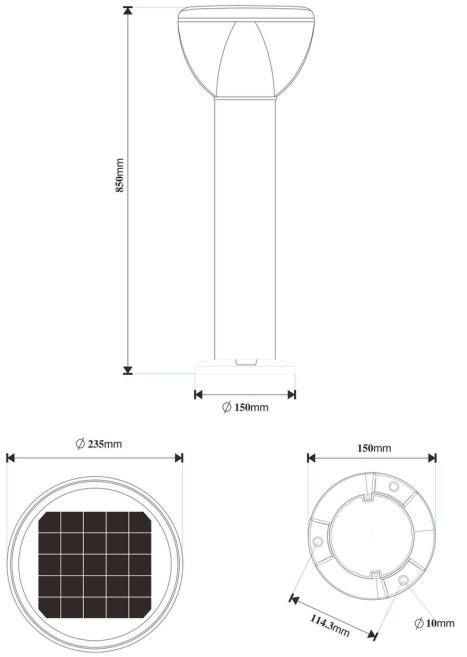
03

CPD3006-65CM



CPD-3006 / 65 · head Φ235 mm, overall height 650 mm

CPD3006-85CM



CPD-3006 / 85 · overall height 850 mm

Head Φ235 mm on a 150 mm post; the base plate is Φ150 mm with three M10 holes on a 114.3 mm circle, so the fixing pattern is the same for both heights.

The base version is fixed to a concrete plinth or a paving base with expansion screws. Both heights share the same head and the same three fixing points, so one unit can be replaced by the other without redrilling.

INSTALLATION SEQUENCE

- **1 · Set out the line.** Mark centres at 3–5 m for paths and 6–8 m for estate roads; keep 0.3 m clear of the paving edge so the base is not walked on.
- **2 · Fix the base.** Cast a small plinth or use the paving base, then tighten the three expansion screws; check the post is plumb before final tightening.
- **3 · Mount the head.** Seat the head on the post and align the light distribution with the walking surface; the distribution is symmetric, so alignment is for appearance only.
- **4 · Commission.** Press the switch and wait 3 s; confirm the lamp lights only in darkness. A full charge takes one clear day.

SUPPLIED BY E-ABLE

- Luminaire head with integrated panel and battery
- Post and base plate
- Three expansion screws

BY THE PROJECT

- Concrete plinth or paving base

LISHUI E-ABLE POWER EQUIPMENT CO., LTD
No.368, Chengbei Road, Liandu District, 323000, Lishui City, Zhejiang, China
www.e-ablepower.com | arthur@e-ablepower.com | WhatsApp +86 153 5558 9600

CONSTRUCTION

04



3000K — warm white, 232 lm, Ra 84



6500K — white, 269 lm, Ra 82

BUILD AND MATERIALS

Construction	
Light source	2835 SMD LED, 40 pcs, rated 80 000–100 000 h
Diffuser	PC translucent, diamond-faceted, transmittance up to 90 %
Body	One-piece die-cast aluminium, corrosion resistant
Solar panel	Monocrystalline 4.5 W / 5 V, integrated in the head
Battery	LiFePO4 3.2 V / 6000 mAh, more than 2 000 cycles
Control	Dusk-to-dawn sensor, PWM controller, waterproof push switch

The 180° distribution is what makes this bollard read as a line of light along a bed edge: at 3–5 m spacing the pools meet without a bright spot at the base of each post.

WHAT TO SPECIFY

- **Height.** 650 / 850 mm — the lower height for planting borders and low hedges, the higher where the head must clear shrubs.
- **Fixing.** Base plate on a concrete plinth or a paving base; the unit is supplied without a supply cable, so no trench is needed.
- **Spacing.** 3–5 m along a path edge and 6–8 m on estate roads; the 180° distribution keeps the light on the walking surface.
- **Light colour.** 3000K – 6500K: 3000K for warm residential settings, 6500K where a cooler, brighter path is wanted.

2 years	CE, RoHS, IP65	PWM
WARRANTY	CERTIFICATIONS	CONTROLLER

LISHUI E-ABLE POWER EQUIPMENT CO., LTD
No.368, Chengbei Road, Liandu District, 323000, Lishui City, Zhejiang, China
www.e-ablepower.com | arthur@e-ablepower.com | WhatsApp +86 153 5558 9600

APPLICATIONS

05

A 650 / 850 mm bollard is a **pedestrian-scale** fixture: it lights the surface people walk on, not the space above it. That is why the format belongs to gardens and estate roads rather than to street lighting. The five settings below are the ones this model is ordered for most often.

WHERE IT FITS

- **Villa gardens and courtyards** — line the path from gate to door at 3–4 m spacing; the 180° distribution lights the paving without throwing light into bedroom windows.
- **Community greenways and residential roads** — higher units on both edges read as a continuous ribbon at night and mark the kerb line for drivers.
- **Park and plaza edges** — mixed with planting, they define the walkable area without poles or glare.
- **Hotel and resort landscaping** — the head is decorative in daylight, so it doubles as garden furniture rather than a technical fixture.
- **Municipal footpaths and cycleways** — solar units avoid trenching; 3–5 overcast days of autonomy covers most temperate and subtropical sites.











Selection note: space the units at 3–5 m for path lighting and 6–8 m for estate roads; keep the lower height for planting borders and the higher where the fixture must clear shrubs.

Specifications are nominal and may change without notice. The contractual revision is the one confirmed in the order acknowledgement.