



Wireless Controlled
Solar Energy

REFLECTIVE & FLASH
GUIDE STOPS

太陽能無線連控
反光導標



HPB TECHNOLOGY

Revolutionary Smart



TRAFFIC
SIGNS

革命性之智慧型導標

- Breakthrough the technical boundaries for the solar products, combine the wireless transmission with the microprocessor to deliver regular or synchronous dynamic visual effects.
突破傳統太陽能產品之技術障礙，結合無線傳輸與微處理器之運作，使之產生同步或規律性之動態視覺效果。
- The flashing patterns, brightness level, and ON/OFF conditions can be adjusted via programming based on the different environmental needs.
可依不同環境需求，以程式設定改變其閃爍模式、亮度、起閉條件。

Product Features | 產品功能

- Display effects include active flash & passive reflection.
兼具被動式反光與主動式動態閃光之警示效果。
- Use high luminous LED lights with a viewing distance of more than 300 meters at night.
採用高亮度LED光源，夜間可視距離達300公尺以上。
- Through the high efficient solar module and high capacity lithium battery with low power consumption design, the reserve power capacity of this product can reach up to 160 hours.
採用高效率之太陽能模組與大容量之鋰電池，配合低耗電設計，使本產品之備載供電時數可達160小時。
- The flashing patterns deliver a synchronized or sequential visual effects which will not make drivers feel glare, Instead, drivers can be guided by the patterns which provides a longer & warning view distance.
閃光模式具有一致性或規律性之視覺效果，不僅不會產生刺眼之眩光效應，更具有導引功能與延伸可見廣度之優點。
- Wireless guide signs are connected via RFID. The transmission range of each unit can reach up to 80 meters.
無線連控反光導標以RFID射頻方式相互連結，單體間傳輸距離可達80公尺，且可以無限制擴充連結。
- Different brightness levels and flashing frequencies can be set depended on the different needs.
可依不同之需求選擇設定不同之亮度與閃光頻率。
- The condition of each unit can be detected through wireless device.
可以無線方式偵測各單體之健康狀態。
- Relevant interfaces can be used to support the integration of the relevant traffic control facilities.
可搭配相關介面，支援整合相關交通管控設施。



Product Applications | 產品應用

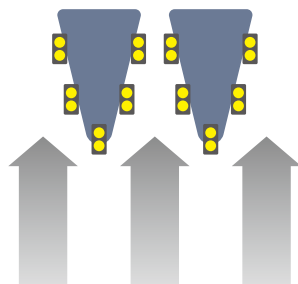
- Road guide
道路導引
- Exit ramps
道路出口匝道
- Traffic island · Partiton area
安口島 · 分隔島
- Road construction warning
道路施工警示
- Bridges
橋樑
- Foggy area
霧區道路
- Rotary
圓環
- Dangerous road sections
山區危險路段
- Highway interchange
高速公路交流道
- Police duties
警用勤務
- Curve road
道路急彎處
- Toll stations
收費站
- Dangerous claybank
危險土堤
- Detour & diverging
改道分流
- T-intersection
T字路口

Product Installation | 產品設置



Detour guide signs.

交通維持路段及
改道導引



Toll station lane
guide or warning.

收費站入口槽化區
導引及警示



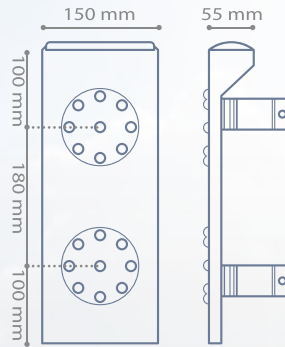
Highway ramp,
road shoulder warning
or guide.

高速公路匝道
路肩警示或方向導引



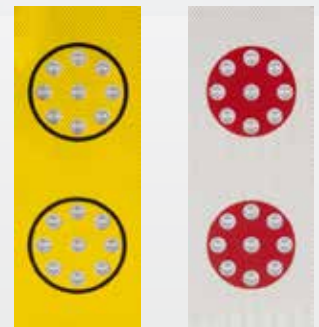
Road guide signs for
highway ramps.

高速公路匝道
方向導引



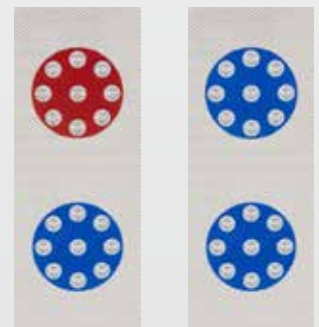
C2 3815-01

C2 3815-02



C2 3815-03

C2 3815-04



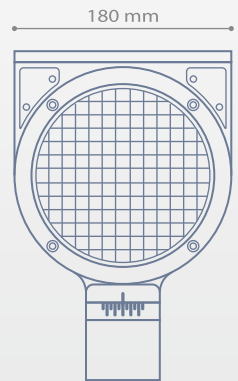
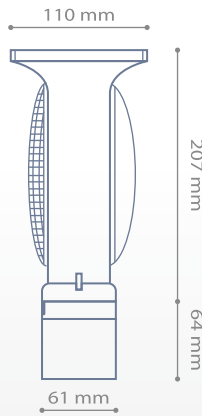
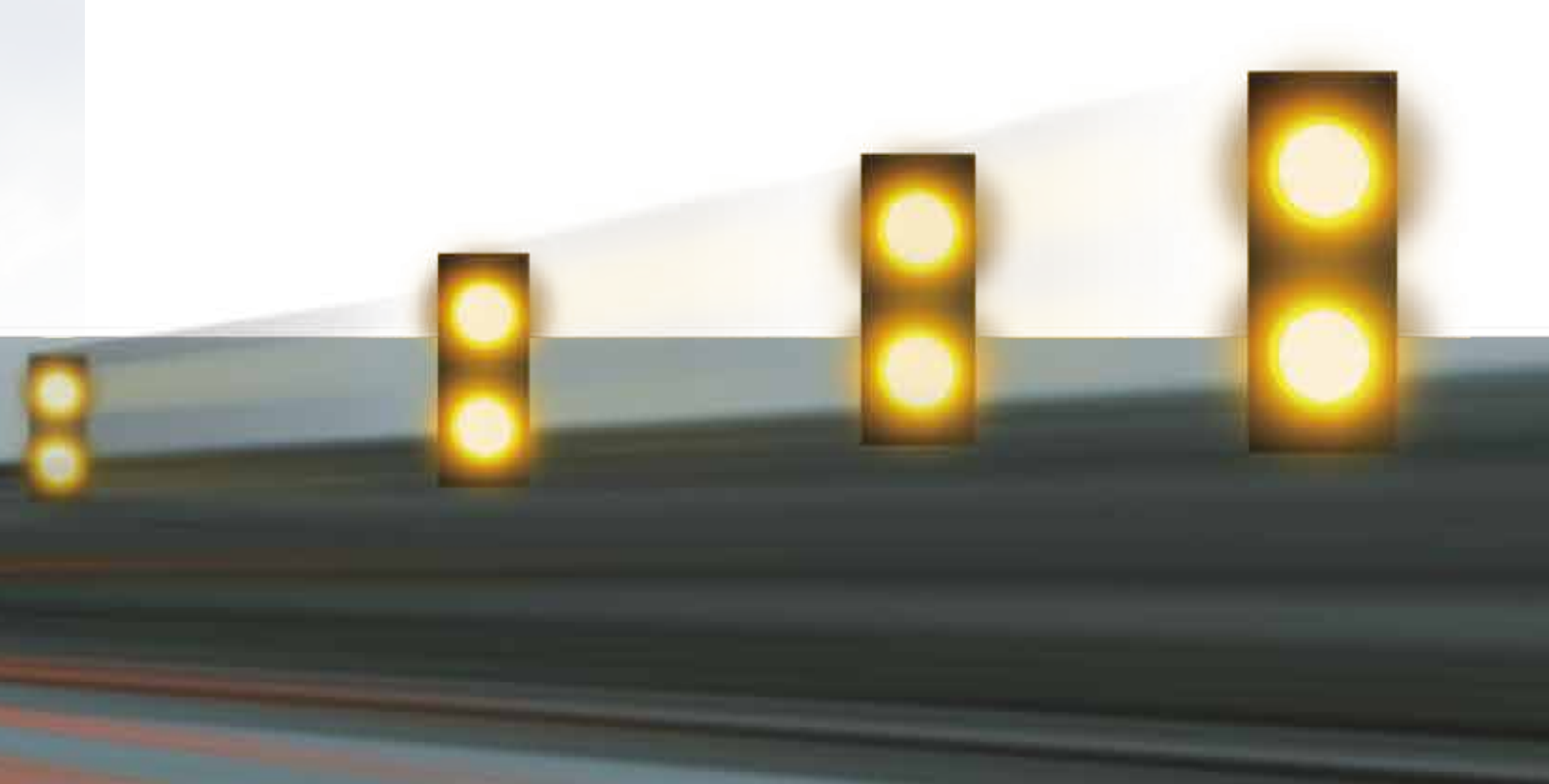
C2 3815-05

C2 3815-06

Power unit	發電單元	Monocrystalline and polycrystalline silicon solar panels. 單、多晶矽太陽能板
Open-circuit voltage	開路電壓	6.8V
Short-circuit current	短路電流	120mA
Storage unit	蓄電單元	High capacity lithium battery 高容量鋰電池
Battery voltage	電池電壓	3.7 V
Battery capacity	電池容量	4200mAh
Light unit	發光單元	Ultra high brightness wide angle LED 超高亮度廣角LED
Luminous color	發光顏色	Yellow、white、blue、red 黃色、白色、藍色、紅色
Number of LEDs	LED數量	18
Life	耐用時間	More than 100,000 hours 100,000 小時以上
Operating temperature	運作溫度	-20°C~ 75°C
Dimensions	產品尺寸	380mm x 150mm x 55mm
Case material	外殼材質	PC、ABS、high reflective film PC、ABS、高反光膠膜
Viewing distance	視距	Viewing distance is more than 300 meters 可視距離300米以上
Reserve	備載	The reserve power capacity is more than 160 hours. 備載時數為160小時以上
Twinkle model	閃爍模式	10 defaults (programmable, wireless controlled & setting) 預設10種(可程控無線設定)
Weight	重量	950g

The above product color samples just for reference, different color or size can be designed by request.

以上產品色樣為參考配色，如有其他配色或尺寸之需求，可依客製化處理。



Power unit	發電單元	Mono or Polycrystalline silicon solar panel 單或多晶矽太陽能板
Open-circuit voltage	開路電壓	7.4V
Short-circuit current	短路電流	330mA

Storage unit	蓄電單元	High capacity lithium battery 高容量鋰電池
Battery voltage	電池電壓	3.7 V
Battery capacity	電池容量	4200mAh

Light unit	發光單元	Ultra high brightness wide angle LED 超高亮度廣角LED
Luminous color	發光顏色	Yellow, Red or White 黃色、紅色或白色
Number of LEDs	LED 數量	5
Life	耐用時間	More than 100,000 hours 100,000 小時以上
Operating temperature	運作溫度	-20°C~ 75°C

Dimensions	產品尺寸	180mm x 271mm x 110mm
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Case material	外殼材質	PC、ABS
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Viewing distance	視距	Viewing distance is more than 300 meters 可視距離300米以上
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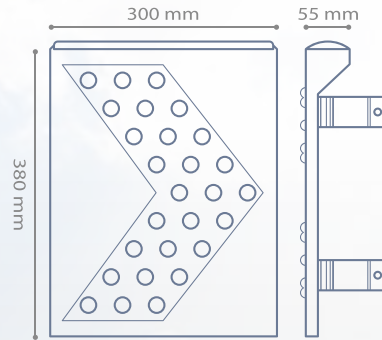
Reserve	備載	The reserve power capacity is more than 100 hours. 備載時數為100小時以上
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Twinkle model	閃爍模式	5 defaults (programmable, wireless controlled & setting) 預設5種(可程控無線設定)
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Weight	重量	1kg
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GS 3830-01



GS 3830-02



GS 3830-03



GS 3830-04



GS 3830-05



GS 3830-06



GS 3830-07

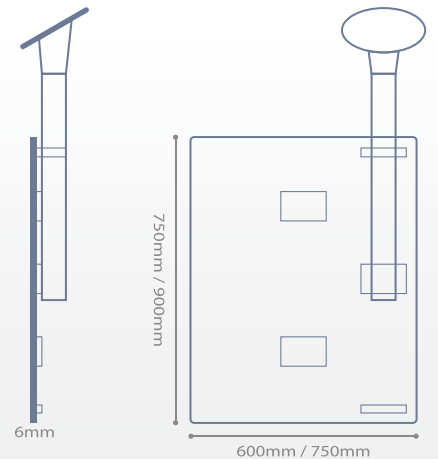
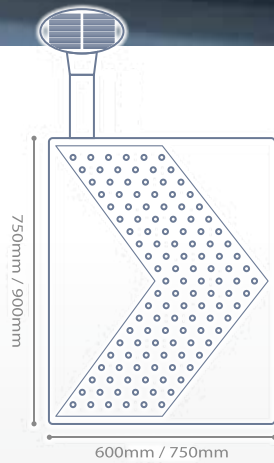


GS 3830-08

The above product color samples just for reference, different color or size can be designed by request.

以上產品色樣為參考配色，如有其他配色或尺寸之需求，可依客製化處理。

Power unit	發電單元	Monocrystalline and polycrystalline silicon solar panels. 單、多晶矽太陽能板
Open-circuit voltage	開路電壓	6.8V
Short-circuit current	短路電流	240mA
Storage unit	蓄電單元	High capacity lithium battery 高容量鋰電池
Battery voltage	電池電壓	3.7 V
Battery capacity	電池容量	8400mAh
Light unit	發光單元	Ultra high brightness wide angle LED 超高亮度廣角LED
Luminous color	發光顏色	Yellow、white、blue、red 黃色、白色、藍色、紅色
Number of LEDs	LED數量	27
Life	耐用時間	More than 100,000 hours 100,000 小時以上
Operating temperature	運作溫度	-20°C~ 75°C
Dimensions	產品尺寸	380mm x 300mm x 55mm
Case material	外殼材質	PC、ABS、high reflective film PC、ABS、高反光膠膜
Viewing distance	視距	Viewing distance is more than 300 meters 可視距離300米以上
Reserve	備載	The reserve power capacity is more than 160 hours. 備載時數為160小時以上
Twinkle model	閃爍模式	10 defaults (programmable, wireless controlled & setting) 預設10種(可程控無線設定)
Weight	重量	1.6kg



Power unit	發電單元	Monocrystalline and polycrystalline silicon solar panels. 單、多晶矽太陽能板
Open-circuit voltage	開路電壓	6.8V
Short-circuit current	短路電流	420mA

Storage unit	蓄電單元	High capacity lithium battery 高容量鋰電池
Battery voltage	電池電壓	3.7 V
Battery capacity	電池容量	8400mAh

Light unit	發光單元	Ultra high brightness wide angle LED 超高亮度廣角LED
Luminous color	發光顏色	Yellow 黃色
Number of LEDs	LED數量	90 / 126
Life	耐用時間	More than 100,000 hours 100,000 小時以上
Operating temperature	運作溫度	-20°C~ 75°C

Dimensions	產品尺寸	750mm x 600mm / 900mm x 750mm
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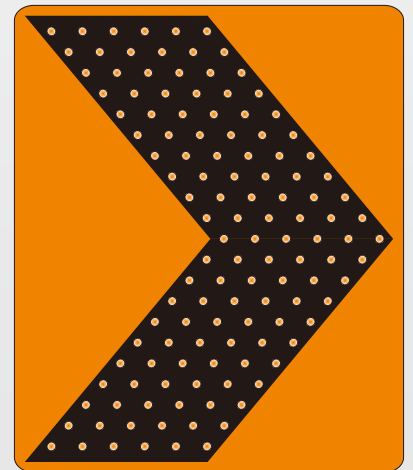
Case material	外殼材質	PC、aluminum alloy、stainless steel、high reflective film PC、鋁合金、不鏽鋼、高反光膠膜
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Viewing distance	視距	Viewing distance is more than 300 meters 可視距離300米以上
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Reserve	備載	The reserve power capacity is more than 100 / 120 hours. 備載時數為100 / 120小時以上
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Twinkle model	閃爍模式	10 defaults (programmable, wireless controlled & setting) 預設10種(可程控無線設定)
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Weight	重量	9.2kg / 12kg
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