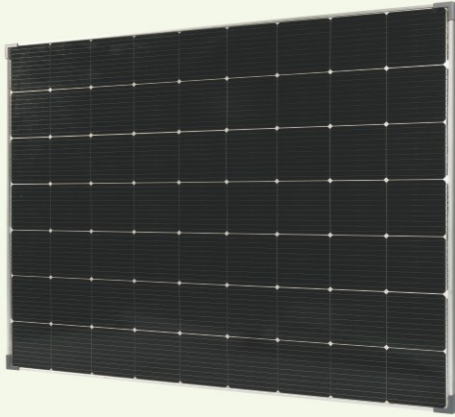


Solar Lightings

BSP Series Explosion-proof Solar Panels



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 2, Groups A, B, C, D
- ◆ Utilizes high-efficiency mono-crystalline silicon solar cells and high-transmittance tempered glass.
- ◆ Employs advanced pulse welding and vacuum laminated encapsulation technology to ensure long service life and high reliability under harsh environmental conditions.
- ◆ Includes a junction box with dedicated terminal connectors.

Catalogue number logic



Selection table

Type / Ordering code	Output voltage (V)	Power (W)	Weight (kg)
BSP-50	DC18V	50	4.50
BSP-70		70	6.00
BSP-105		105	8.50
BSP-140		140	11.00
BSP-205		205	15.00
BSP-110	DC36V	110	8.50
BSP-140		140	11.00
BSP-205		205	15.00
BSP-280		280	20.00
BSP-350		350	25.00
BSP-380		380	27.00
BSP-410		410	29.00

Note: The product is supplied according to "Type/Ordering code" in the table with mounting accessories.

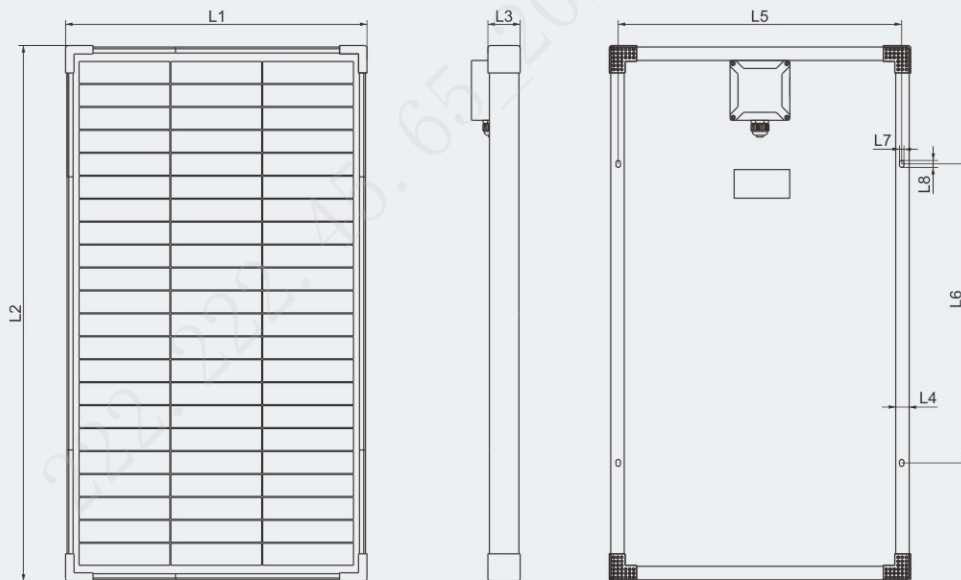
Zones 1&2; 21&22



Solar Lightings BSP Series Explosion-proof Solar Panels

Technical data	
Explosion-proof Solar Panels	BSP-□
Explosion protection	
Global (IECEX) Gas and dust	IECEX (applied for) Ex eb mb IIC T5 Gb Ex mb tb IIIC T95°C Db
Europe (ATEX) Gas and dust	ATEX (applied for) ⊕ II 2 G Ex eb mb IIC T5 Gb ⊕ II 2 D Ex mb tb IIIC T95°C Db
Certificates	IECEX; ATEX
Conformity to standards	EN 60079-0, EN 60079-7, EN 60079-18, EN 60079-31 IEC 60079-0, IEC 60079-7, IEC 60079-18, IEC 60079-31
Material	
Enclosure	Aluminium Alloy, powder coated surface
Glass cover	Toughened glass, stands 4J impact
Exposed fastener	Stainless steel
Power	
DC 18V: 50W, 70W, 105W, 140W, 205W	
DC 36V: 110W, 140W, 205W, 280W, 350W, 380W, 410W,	
DC 18V, DC 36V	
Output voltage	
Degree of protection	IP66
Ambient temperature	-40°C~+60°C
Terminal	3×1.5~4mm ² (+, -, PE)
Cable entries	1×M25×1.5 Plugs

Dimension drawings (all dimensions in mm) - subject to alteration



Power	Outline		Installation dimension		Output voltage
	L1×L2×L3	L4	L5×L6	L7×L8	
50W	530×680×30	25	495×450	7×11	DC18V
70W	590×720×30	25	555×450	7×11	
105W	590×1060×35	35	544×600	9×14	
140W	590×1390×35	35	544×600	9×14	
205W	770×1510×35	35	724×900	9×14	
110W	680×1120×35	35	634×600	9×14	DC36V
140W	590×1410×35	35	544×900	9×14	
205W	770×1520×35	35	724×900	9×14	
280W	960×1640×35	35	914×900	9×14	
350W	1320×1480×35	35	1274×900	9×14	
380W	1320×1560×35	35	1274×900	9×14	
410W	1320×1690×35	35	1274×900	9×14	