



Management System
ISO 9001:2015



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MAXPRO ENCLOSURE SYSTEM



IP 68



2021.06

www.e-tan.com.tw



MAXPRO ENCLOSURE SYSTEM (MP series IP68)

Special features of MP series MP系列特點

1. All enclosures are conformed to IP68 which is protected from immersion in 1 meter of water for an hour.
2. There are 2 types of IP68 cam locks, PBL and PKL.
3. Various devices can be installed in enclosures.
4. There are opaque and transparent covers.
5. Plastic plates and metal plates are optional.
6. It's easy to fix enclosures with brackets of stainless 304.
7. **We provide enclosures for special environments, such as coast, sea, beach or water treatment on request.**

1. 開關箱防水等級 IP 68，放入水下 1 米 1 小時
2. 開關箱鎖頭可以使用2種鎖頭，PBL 和 PKL，IP68 防水等級
3. 開關箱內部可以多種變化裝載電氣元件
4. 開關箱的門分透明跟不透明
5. 安裝底板可選用鐵底板或塑料萬用板
6. 不鏽鋼材質304的固定架可讓開關箱容易固定與安裝
7. **如您有需求，我們可提供適用於特殊環境之開關箱，例如臨近海邊、海灘、海上(太陽能)、船上或水處理場所**



TECHNICAL INFORMATION

防水箱技術數據

ABG/ABT



| PROPERTY / 特性 | ABS | Polycarbonate (PC) |
|----------------------------------|-------------------------------|--------------------------------------|
| Standard Color / 標準顏色 | Light gray / 淺灰 (RAL 7035) | Transparency / 無色透明 |
| Ingress Protection / 防護等級 | IP 68 (IEC60529) | IP 68 (IEC60529) |
| Impact Protection / 沖擊防護等級 | IK 08 | IK 08 / 10 |
| Protection Class / 絕緣等級 | 回 / 完全絕緣 | 回 / 完全絕緣 |
| Temperature Range / 溫度範圍 | -40°C ~ + 60°C | -40°C ~ + 80°C (up to 100°C @ 1 HR) |
| RTI. Elec. / Imp. / Str. | Max. + 60°C / + 60°C / + 60°C | Max. + 125°C / + 115°C / + 125°C |
| Flammability Rating / 防火等級 | UL 94-HB | UL 94-V0 |
| UV Resistance / 抗UV | | UL746C (f1), ΔE5.8@1000h |
| Non Toxic Products / 無毒產品 | Halogen free / 無鹵素 | Halogen free / 無鹵素 |
| Standard Gasket Material / 密封圈材質 | Polyurethane / foam | Polyurethane / foam |

MP OUTDOOR SERIES IP68

UV Resistant / 抗UV
Flame Resistant / 阻燃



We provide anti-corrosion enclosures against rust caused by salt on request.

另外可提特殊抗鹽害開關箱,使開關箱整體(含金屬零件)能抵抗高鹽分環境的鏽蝕(IEC 60068-2-52)



TECHNICAL INFORMATION

防水箱技術數據

PCG/PCT

| PROPERTY / 特性 | Polycarbonate (PC) | Polycarbonate (PC) |
|----------------------------------|--------------------------------------|--------------------------------------|
| Standard Color / 標準顏色 | Light gray / 淺灰 (RAL 7035) | Transparency / 無色透明 |
| Ingress Protection / 防護等級 | IP 68 (IEC60529) | IP 68 (IEC60529) |
| Impact Protection / 沖擊防護等級 | IK 08 / 10 | IK 08 / 10 |
| Protection Class / 絕緣等級 | 回 / 完全絕緣 | 回 / 完全絕緣 |
| Temperature Range / 溫度範圍 | -40°C ~ + 80°C (up to 100°C @ 1 HR) | -40°C ~ + 80°C (up to 100°C @ 1 HR) |
| RTI. Elec. / Imp. / Str. | Max. + 125°C / + 115°C / + 125°C | Max. + 125°C / + 115°C / + 125°C |
| Flammability Rating / 防火等級 | UL 94-V0 | UL 94-V0 |
| UV Resistance / 抗UV | UL746C (f1), ΔE9.07@1000h | UL746C (f1), ΔE5.8@1000h |
| Non Toxic Products / 無毒產品 | Halogen free / 無鹵素 | Halogen free / 無鹵素 |
| Standard Gasket Material / 密封圈材質 | Polyurethane / foam | Polyurethane / foam |

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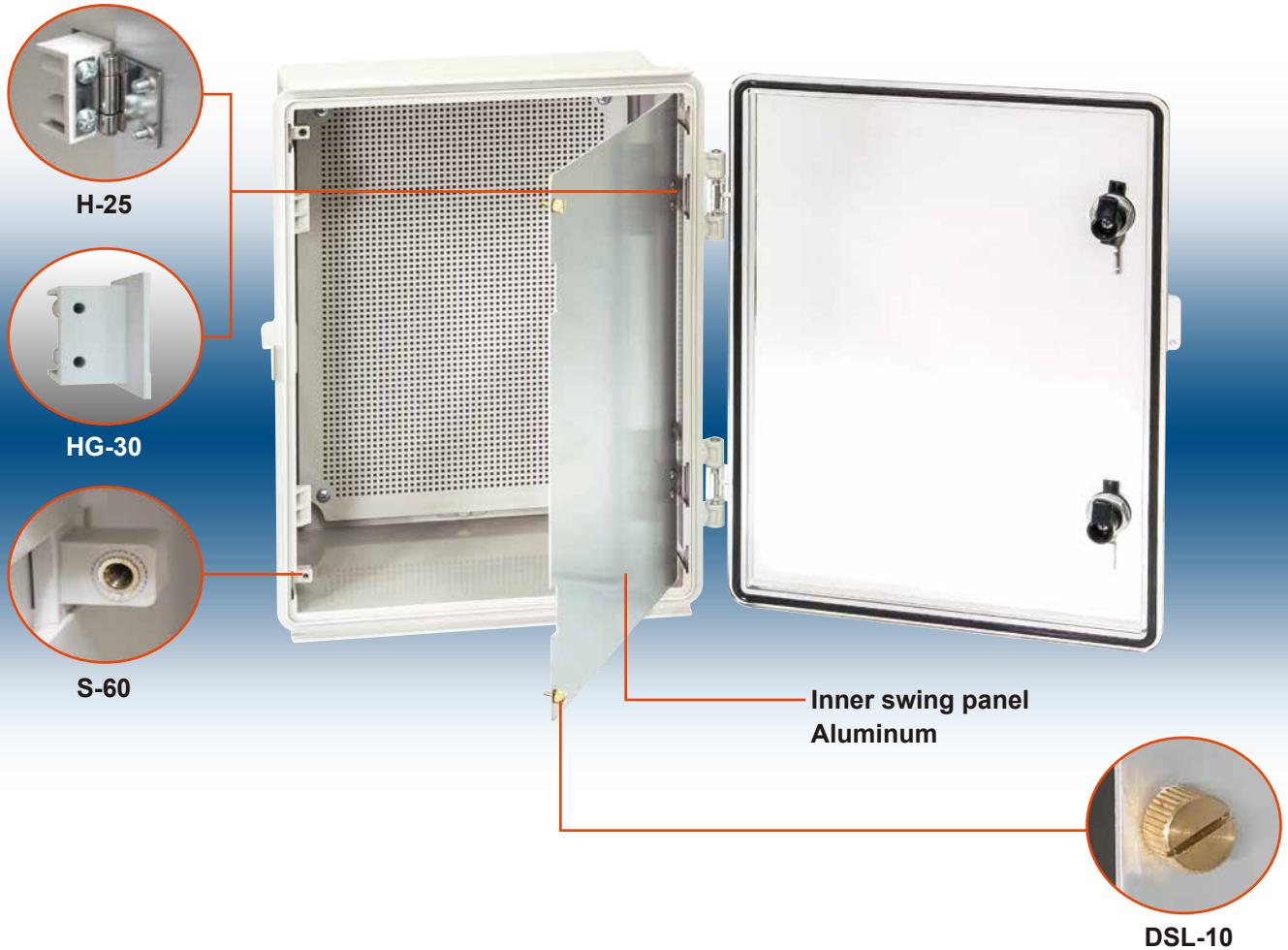
MAXPRO model and standardized list

| Dimensions / 尺寸 H x W x D (mm) (Cover included) | ABG | | ABT | | PCG | | PCT | | Mounting bracket 托架器 B60 | Mounting plate / 底板 | |
|---|-------------------|--------------|--------------------------|-------------|-------------------|-------------|--------------------------|-------------|--------------------------------|----------------------|-----------------------|
| | Body ABS | Cover ABS | Body ABS | Cover PC | Body PC | Cover PC | Body PC | Cover PC | | Steel 鐵 1.6 mm | Plastic 塑膠 4 mm |
| | Gray cover 淺灰蓋 | | Transparent cover 透明蓋 | | Gray cover 淺灰蓋 | | Transparent cover 透明蓋 | | | | |
| 310 X 210 X 150 | MP3215ABG | | MP3215ABT | | MP3215PCG | | MP3215PCT | | | M2030 | 2030 PL |
| 426 X 326 X 200 | MP4320ABG | | MP4320ABT | | MP4320PCG | | MP4320PCT | | B60 | M3040 | 3040 PL |
| 426 X 426 X 200 | MP4420ABG | | MP4420ABT | | MP4420PCG | | MP4420PCT | | | M4040 | 4040 PL |

Locking systems

| Part No. 料號 | Position of door locks 門鎖位置 | Type / 種類 | Door opening direction 開門方向 | Ingress protection 防護等級 |
|----------------|--------------------------------|----------------------------|--------------------------------|----------------------------|
| | | Locking System 門鎖系統 | | |
| PBL-L | Left / 左 | Double Bit / 標準型 | Right / 由左向右 | IP68 |
| PBL-R | Right / 右 | | Left / 由右向左 | |
| PKL | - | Manual with key lock / 鑰匙型 | - | |

INNER SWING PANEL



| Suitable Model Box model 開關箱型號 | Order Model 訂貨型號 | Internal door supporter 內門固定架 | Quantity 使用數 | Hinge 活頁 | Quantity 使用數 | Aluminum plate 內門鋁板 | Quantity 使用數 | Copper screw 銅螺絲 | Quantity 使用數 |
|--------------------------------------|---------------------|----------------------------------|-----------------|-------------|-----------------|------------------------|-----------------|---------------------|-----------------|
| MP3215 | MP-ID-32 | HG-60 | 2 | H-25 | 2 | MP-P32 | 1 | DSL-10 | 2 |
| | | S-60 | 2 | | | | | | |
| MP4320 | MP-ID-43 | HG-60 | 2 | H-25 | 2 | MP-P43 | 1 | DSL-10 | 2 |
| | | S-60 | 2 | | | | | | |
| MP4420 | MP-ID-44 | HG-60 | 2 | H-25 | 2 | MP-P44 | 1 | DSL-10 | 2 |
| | | S-60 | 2 | | | | | | |

INNER DOOR FOR MCB

Aluminum Plastic Composite Panel (ACP)

內門鋁塑板



Mounting plate
底板

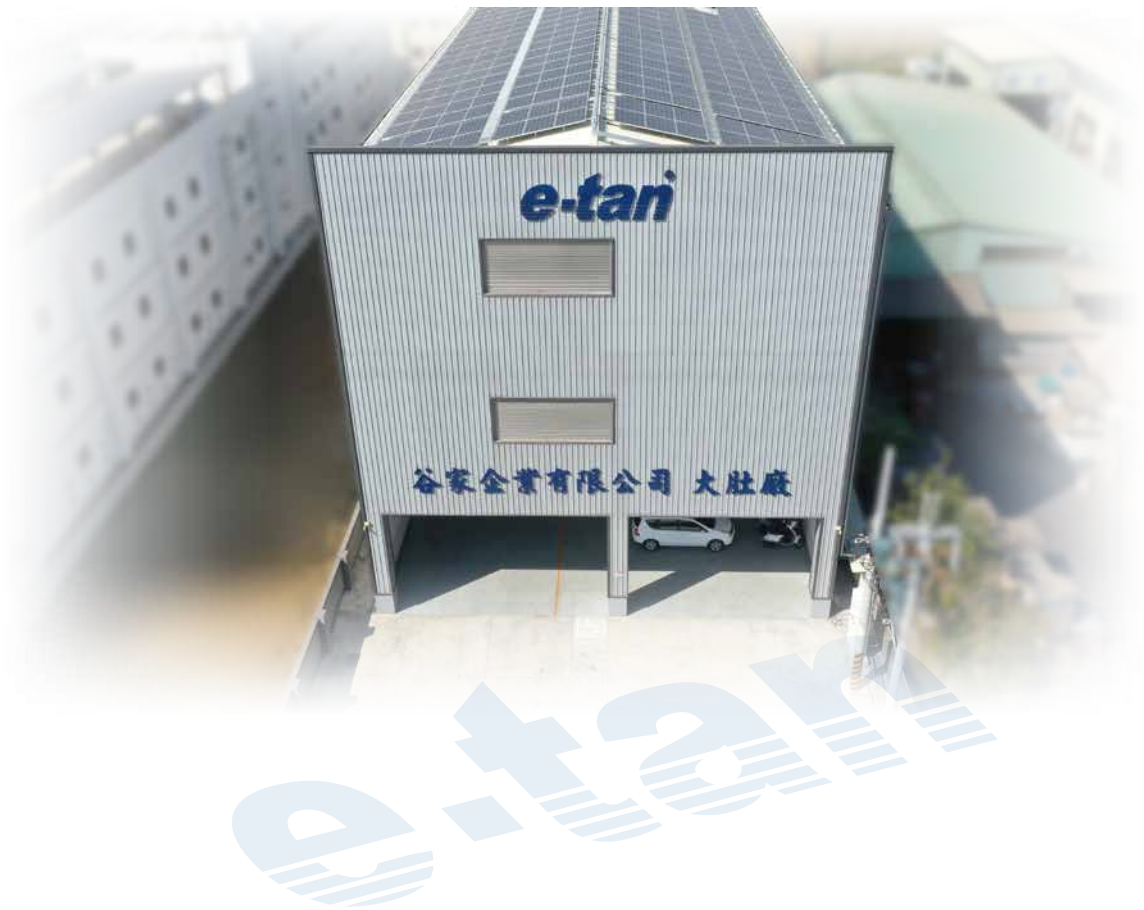
DIN rail supporter
導軌支撐架

Din rail
鋼軌

Inner door supporter
內門固定座



| Suitable Enclosure Model 開關箱型號 | Order Model 訂貨型號 | Capacity of MCB MCB可放數量 |
|-----------------------------------|---------------------|----------------------------|
| MP4320 | MP-MID-43 | 12P x 2 |
| MP4420 | MP-MID-44 | 18P x 2 |



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