



2016

EVSE - Electric Vehicle Chargers



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Milbay Australia

EVSE (Electric Vehicle Supply Equipment) EV Charger Product Catalogue

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Portable EVSE - EV charger

Type 2 Portable EV charger (PE =Type 2 EVE 62196-2 portable charger)

Model: MB-PE-16A-2

Model: MB-PE-32A-2

Specification:

220 VAC 50Hz/60Hz 16A or 32A

Operating Temperature:-25°C to +50°C

IP Class

In-Cable box: IP 54

Charging connector: IP54

Electrical Standards: IEC 62196

Feature: Real time charging data via LCD display panel



EVE 62196-2 Connector Plug



Wall (source) Connector Plugs

Region	Plug Type
AU / NZ customers	Australian plug, Max 10A
UK customers	UK BS1363, Max 13A
EU customers	Schuko, 16A blue CEE plug, Max 16A
	32A blue CEE plug, Max 32A
FR customers	NFC 61314 French plug

Wall side (source) plug: Customize according to different countries and standards:

Wall mount EVSE - EV charger - Type 1 & Type 2

Model: MB-WB-32A-1 (Type 1) / MB-WB-32A-2 (Type 2) (WB=Wall box)

Wall-mounted EV Charging Station (7.6kW Level-2, indoor)

Input AC voltage: 220 V 10% (198V-242V)

Output AC voltage: 220 V 10% (198V-242V)

Output maximum current: 16A /32 A

Rated power: 7.6KW max

Single Phase

Standard: IEC 62196 / J1772

Rated AC frequency: 50 Hz

Cord Length: 18 feet

Wall-mounted

Protective measures: Earth leakage protection; Lighting strike protection; Surge protection;

Working environment: - 20 °C ~ + 50 °C

5% ~ 95% with no condensation

Storage environment: - 25 °C ~ + 70 °C

5% ~ 95% with no condensation

Enclosure: IP 54





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Cable Type

Type	Series	Rated voltage	Rated current	Power	Cable size
1	MB-EVE-63MP--1T /3T	240 / 415V AC	63 Amp	15.1 / 45.3KW	10mm ²
2	MB-EVE-32MP---ZT/3T	240 / 415V AC	32 Amp	7.6 / 22.8KW	6mm ²
3	MB-EVE-16MP---ZT/3T	240 / 415V AC	16 Amp	3.8 / 11.5KW	2.5mm ²

Use the cable type above (1, 2 or 3) when making product selections.

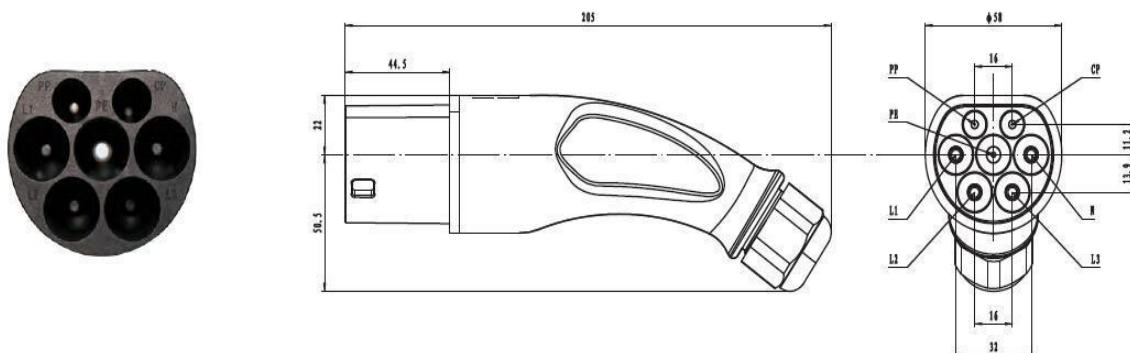
62196-2 Male Plug (most Australian models)

Model: MB-EVE-XMP--YC--ZT

EVE=European standards / type 2, X=Amps, Y=cable length, MP= Male plug, C=Cable, ZT=phase, 1T=single phase, 3T= three phase

Example MB-EVE-32MP-32BLK-1T (32A EVE plug, 3 metre Black type 2 cable, single phase)

- IP54 Rated Ergonomic Pistol Grip Style
- Impact Resistant (resists vehicle roll over)
- 10,000 Mating Cycles
- Cable Strain Relief Feature
- Insulated Terminal Design
- Single and 3 Phase Cable
- Dust Cap on Lanyard
- High Visibility Orange or Black Cable
- Custom Options on Cable Length and Colour
- CE & TUV Approved



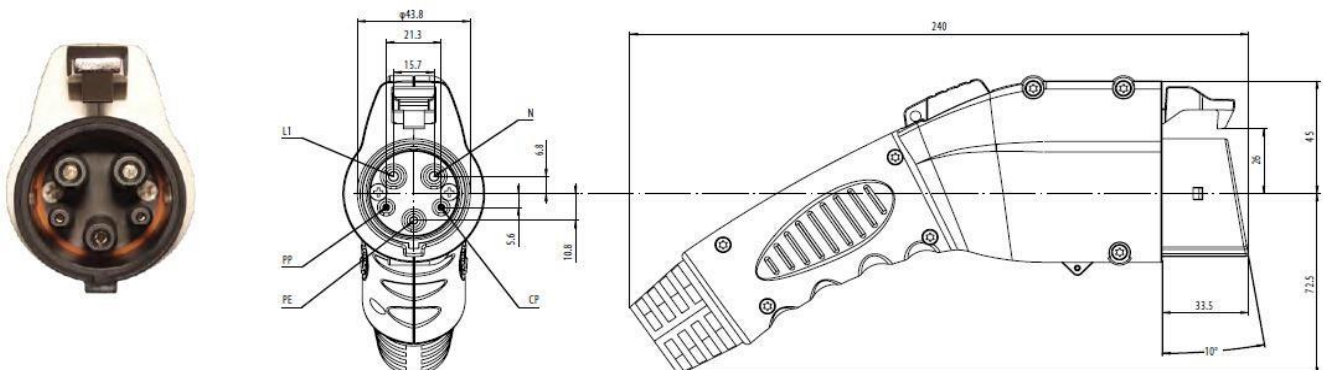
J1772 Plug

Model: MB-EVA-XP-YC

EVA=American standards /Type 1, X=Amps, Y=cable length, P=plug, C=Cable

Example: Model MB-EVE-32MP-32BLK-1T (32A EVA plug, 3 metre Black type 2 cable, single phase)

- Meet SAE J1772 2009 (Type 1) North American standard, UL Rated
- IP54 Rated Ergonomic Pistol Grip Style
- Impact Resistant 'Run Over' Proof
- 10,000 Mating Cycles
- Cable Strain Relief Feature
- Insulated Terminal Design
- Locking Feature for Padlock
- Dust Cap on Lanyard
- Custom Options on Cable Length and colour
- CE & UL Approved



J1772 to 62196-2 Female to Male Plug cable

Model: MB-EVAE-XP-YC

EVAE=American standards to European standards /Type 1 to type 2, X=Amps, Y=cable length, P=plug, C=Cable

Model: MB-EVAE-32P-32ORANGE (Type 1 to type 2, 32A plug, 3 metre Orange type 2 cable)

Model: MB-EVEA-32P-32ORANGE (Type 2 to type 1, 32A plug, 3 metre Orange type 2 cable)

- IP54 Rated Ergonomic Pistol Grip Style
- Impact Resistant 'Run Over' Proof
- 10,000 Mating Cycles
- Cable Strain Relief Feature
- Insulated Terminal Design
- J1772 Locking Feature for Padlock
- Dust Cap on Lanyard
- High Visibility Orange Or Black Cable
- Custom Options on Cable Length and Co
- CE & UL Approved
- Cable Colour Option: Orange or black



Model: MB-EVAE-XP-YC Cable Type

Type	Model	Cable Spec.	Colour	Remark
1	MB-EVAE-16P-YC	3*2.5mm ² +2*0.5mm ²	Black Or Orange	The length of the cable can be customized
2	MB-EVAE-32P-YC	3*6.0mm ² +2*0.5mm ²	Black Or Orange	



62196-2 Male Plug + Cable

Model: MB-EVE-XMP--YC--ZT

EVE=European standards /type 2, X=Amps, Y=cable length, MP= Male plug, C=Cable, ZT=phase, 1T= single phase, 3T= three phase

Example: Model MB-EVE-32MP-52-1T (32Amp male type 2 plug, 5 metre cable length, Type 2 cable, single phase)



Type	MB-EVE-XMP--YC--ZT	Mating Force	≤80N
Colour	White	Mating Cycles	≥10000
Rated Current	16A/ 32A/ 63A	Flame Retardant	UL94 V-0
Rated Voltage	240V	IP Rating	IP54
Test Voltage	2000V	Operating Temperature	-30C to 60C

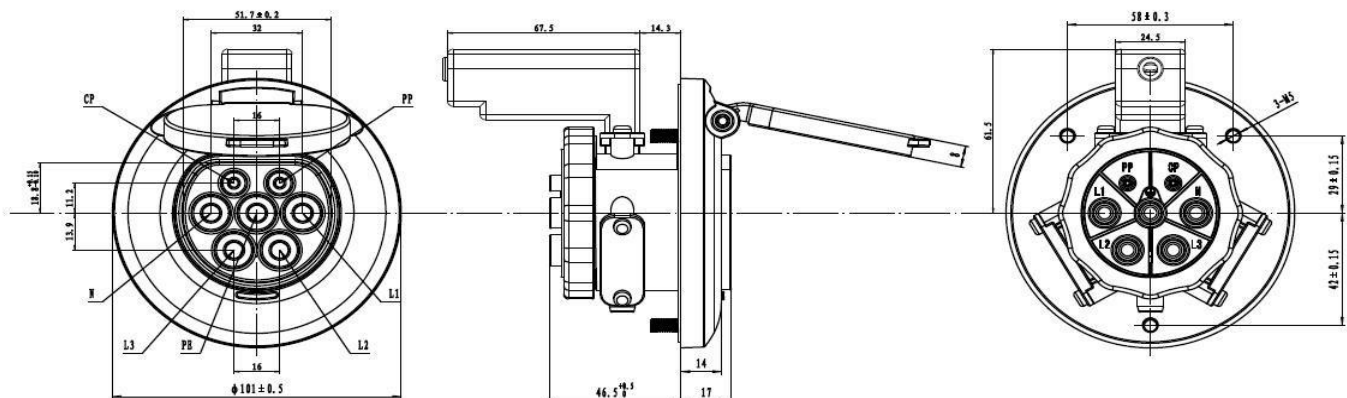
62196 Female socket

Model: MB-EVE-XFS--YC--ZT--EL

EVE=European standards /type 2, X=Amps, Y=cable length, FS= Female socket, C=Cable, ZT=phase, 1T= single phase, 3T= three phase, EL=electronic lock

Example: Model MB-EVE-32FS-32-1T-EL (Type 2, 32 amp female socket, 3 meter type 2 cable, single phase)

- 3 Point Fixing
- Water Drain
- Hinged Lid
- can work with Electronic Locking Solenoid with Manual Override
- Solenoid Fixing options, Vertical, 120° or 240°
- Single and 3 Phase





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