

EVC-PIT6-KIT/EVC-PIT6-KIT-LG

- FOR ELECTRIC VEHICLE CHARGING INSTALLATIONS

The EVC-PIT6-KIT and EVC-PIT6-KIT-LG can supply up to 6 chargers at full capacity from a single 3-phase supply. The pit is designed to be a complete solution to break-out from larger capacity supply cables to feed EV chargers with the current capacity required while ensuring electrical standards are met.

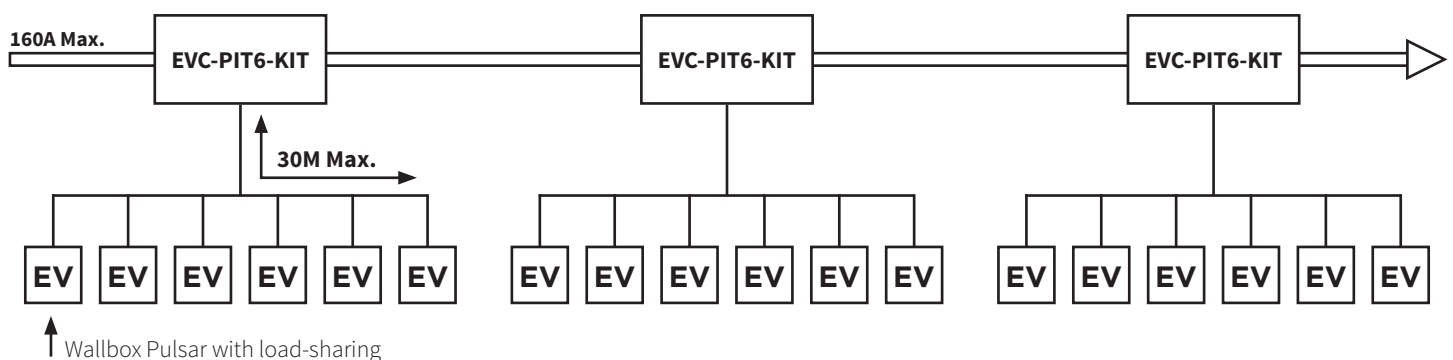
The pit features the ability to loop a large supply cable (up to 150mm² in EVC-PIT6-KIT-LG) to feed multiple pits. Up to 6 chargers per pit, with a maximum of 3 pits (max 15 chargers) from a 160A three-phase feeder, or more chargers with load sharing (see Wallbox load sharing capabilities).

EVC-PIT6-KIT and EVC-PIT6-KIT-LG are designed for permanent underground termination on walkways, driveways or carparks, allowing for a clean and tidy architectural installation.

SPECIFICATIONS

- Maximum supply current 160A per phase (3P+N).
- Recommended maximum cable sizes:
 - Main Supply IN (up to 95mm² EVC-PIT6-KIT, 150mm² EVC-PIT6-KIT-LG)
 - Loop OUT (up to 95mm² EVC-PIT6-KIT, 150mm² EVC-PIT6-KIT-LG)
 - 6qty 10mm² Supply OUT (fused at 32A)*
- Supply up to 6 x 32A single-phase EV chargers per pit.
- Dimensions (LxWxH): EVC-PIT6-KIT = 700 x 460 x 475 mm
EVC-PIT6-KIT-LG = 850 x 550 x 600 mm

* Each EV charger requires individual isolation; overload protection and Type-B RCD as per AS/NZS3000-2018 and Worksafe guidelines on EV Charging installations.



Combining quality components from the following trusted brands, with expertise from TransNet NZ Limited;



EVC-PIT6-KIT COMPONENTS

- CHANNELL PIT DESIGN FEATURES

- Made from HDPE structural foam for strength and durability at incredibly low weights
- Combination of a Straight Wall with “I-Beam” construction for vertical loading strength
- BULK base rated @ 267 kN = 27 tons
- Ribbed sidewall design “I-Beam” secures body into backfill soil and eliminates sidewall deflection
- Flush mounted racks enhance sidewall and vertical strength of pit, while increasing useable space
- Volumetric Space from 177 Litres to 1750 Litres
- HDPE bodies allow for easy field alteration while eliminating water absorption and material degradation
- Non-Seizing Bolt System
- 2x emergency cable entry points on either sides of body



Base Accessories

- Composite extension pieces
- Composite and steel raising collars
- Reinforcing Steel Kitset for Ductile Iron installations

Mounting Accessories

- Clip in step brackets & wedge for sidewall racks
- Mounting studs for Cable bracket & mounting plates
- Swing Arm Assemblies

INFILL Covers and Vaults designed to work in :

- “Deliberate Traffic” - slow moving vehicular applications
- Designed to meet or exceed 150kN = 15 tnf (Tons-force)
- Constructed of hot dipped galvanized steel
- Channell Infill covers blend in with the existing pavement texture.
- Endurance Stress Test (EST) - SHIELD Covers exceeds EST 3,000,000 cycles of design loads without failure.
- Extremely Durable/Fire Retardant/Chemical Resistance/UV stable/WiFi transparent
- Stronger then Concrete/Polymer Concrete & similar strength to Steel

