



Wall mounted AC electric vehicle supply equipment

REVIVE - User Manual

EVB-AC-B11R

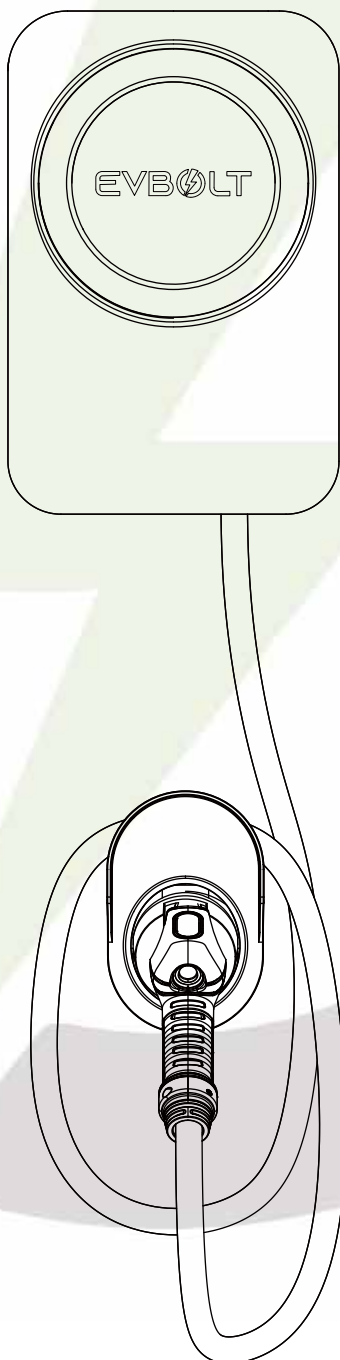




Table of Contents

1.	Important Safety Instructions.....	3
2.	Federal Communication Commission Interference Statement.....	5
3.	Industry Canada Statement:	6
4.	Interface	8
5.	Dimensions	9
5.1	Main Size of Charger	9
5.2	Wall-Mount Bracket	9
6.	Specifications	10
7.	Status Description	11
8.	Installation Instructions.....	12
8.1	Contractor Safety Guide.....	12
8.2	Safety Requirements	16
8.3	Packing List	17
8.4	Tools and Materials Required	18
8.5	Wall-Mount Bracket Installation Requirements	18
8.6	Wall-Mounted Installation Requirements	19
8.7	Pedestal Installation Requirements	22
9.	Operating Instructions.....	26
9.1	Operating Steps (ONLINE)	26
9.1.1	EV BOLT iOS/Android Application	26
9.1.2	EV BOLT WebApp	26
9.2	Error and Warning Message	27
10.	Maintenance and Repair.....	28
10.1	Daily Maintenance	28
10.2	Maintenance Spares	28
10.3	Warranty and Maintenance	29

1. Important Safety Instructions

Please read all Important Safety Instructions as well as charging instructions in your vehicle owner's manual before attempting to charge your electric vehicle. Failure to do so can result in death or severe injury. Save this user manual for future reference. There are many safety features built into the charger. Read all the safety information and warnings in this manual to avoid any risks or hazards and risks associated with using this charger.

CAUTION WARNING!

INSTRUCTIONS PERTAINING TO A RISK OF FIRE OR ELECTRIC SHOCK

IMPORTANT SAFETY INSTRUCTIONS, SAVE THESE INSTRUCTIONS

- a) Read all the instructions before using this product.
- b) This device should be supervised when used around children.
- c) Do not put fingers into the electric vehicle connector.
- d) Do not use this product if the flexible power cord or EV cable is frayed, had broken insulation, or any other signs of damage.
- e) Do not use this product if the enclosure or the EV connector is broken, cracked, open, or shows any other indication of damage.
- f) This charging pile cannot be dismantled, repaired or modified by the customer.
- g) To reduce the risk of fire, connect only to a circuit provided branch circuit over-current protection in accordance with the CSA C22.1-15 Canadian Electrical Code, Part 1 (Canada) or NOM-001-SEDE Electrical installation (utility) (Mexico) or ANSI / NFPA 70 National Electrical Code (USA).

h) WARNING

GROUNDING INSTRUCTIONS

This product must be connected to a grounded, metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead on the product.

- i) When any fault occurs, the product is prohibited to use, the user is prohibited to repair, must be sent to the after-sales maintenance or call the after-sales service for help.

Consignes de sécurité importantes

Veuillez lire toutes les instructions de sécurité importantes ainsi que les instructions de chargement dans le manuel du propriétaire de votre véhicule avant d'essayer de recharger votre véhicule électrique. Ne pas le faire peut entraîner la mort ou des blessures graves. Conservez ce manuel d'utilisation pour référence future. De nombreuses fonctionnalités de sécurité sont intégrées au chargeur. Lisez toutes les informations de sécurité et les avertissements contenus dans ce manuel pour éviter tout risque ou danger et risque associé à l'utilisation de ce chargeur.

CAUTION WARNING!

INSTRUCTIONS AYANT TRAIT À UN RISQUE D'INCENDIE OU DE CHOC ÉLECTRIQUE

INSTRUCTIONS IMPORTANTES CONCERNANT LA SÉCURITÉ

- a) Lisez toutes les instructions avant d'utiliser ce produit.
- b) Ce dispositif devrait être supervisé lorsqu'il est utilisé autour des enfants.
- c) Ne mettez pas les doigts dans le connecteur du véhicule électrique.
- d) N'employez pas ce produit si le cordon d'alimentation flexible ou le câble EV est effiloché, a l'isolation cassée, ou tout autre signe de dommages.
- e) N'utilisez pas ce produit si le boîtier ou le connecteur EV est cassé, fissuré, ouvert, ou montre toute autre indication de dommages.
- f) Cette pile de charge ne peut être démontée, réparée ou modifiée par le client.
- g) Pour réduire le risque d'incendie, branchez uniquement un circuit pourvu d'une protection contre les surintensités de circuit de branche conformément à la norme CSA C22.1-15 du Code canadien de l'électricité, partie 1 (Canada) ou à la norme NOM-001-SEDE Electrical installations (utility) (Mexique) ou à la norme ANSI / NFPA 70 du Code National de l'électricité (États-Unis).
- h) **CONSIGNES DE MISE À LA TERRE** Ce produit doit être raccordé à un réseau de câblage mis à la terre, métallique et permanent, ou un conducteur de mise à la terre de l'appareil doit être ajouté au circuit et raccordé à la borne de terre de l'appareil ou au conducteur d'alimentation de l'appareil.
- i) Quand n'importe quel défaut se produit, le produit est interdit pour employer, l'utilisateur est interdit pour réparer, doit être envoyé à l'entretien après-vente ou appeler le service après-vente pour l'aide.



2. Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

3. Industry Canada Statement:

This device complies with ISED's license-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Radiation Exposure Statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20 cm entre le radiateur et votre corps.

This device is intended only for OEM integrators under the following conditions: (For module device use) The antenna must be installed and operated with greater than 20cm between the antenna and users, and the transmitter module may not be co-located with any other transmitter or antenna.

As long as the 2 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.



Cet appareil est conçu uniquement pour les intégrateurs OEM dans les conditions suivantes: (Pour utilisation de dispositif module)

- 1) L'antenne doit être installée et exploitée avec plus de 20 cm entre l'antenne et les utilisateurs, et
- 2) Le module émetteur peut ne pas être coïmplanté avec un autre émetteur ou antenne.

Tant que les 2 conditions ci-dessus sont remplies, des essais supplémentaires sur l'émetteur ne seront pas nécessaires. Toutefois, l'intégrateur OEM est toujours responsable des essais sur son produit final pour toutes exigences de conformité supplémentaires requis pour ce module installé.

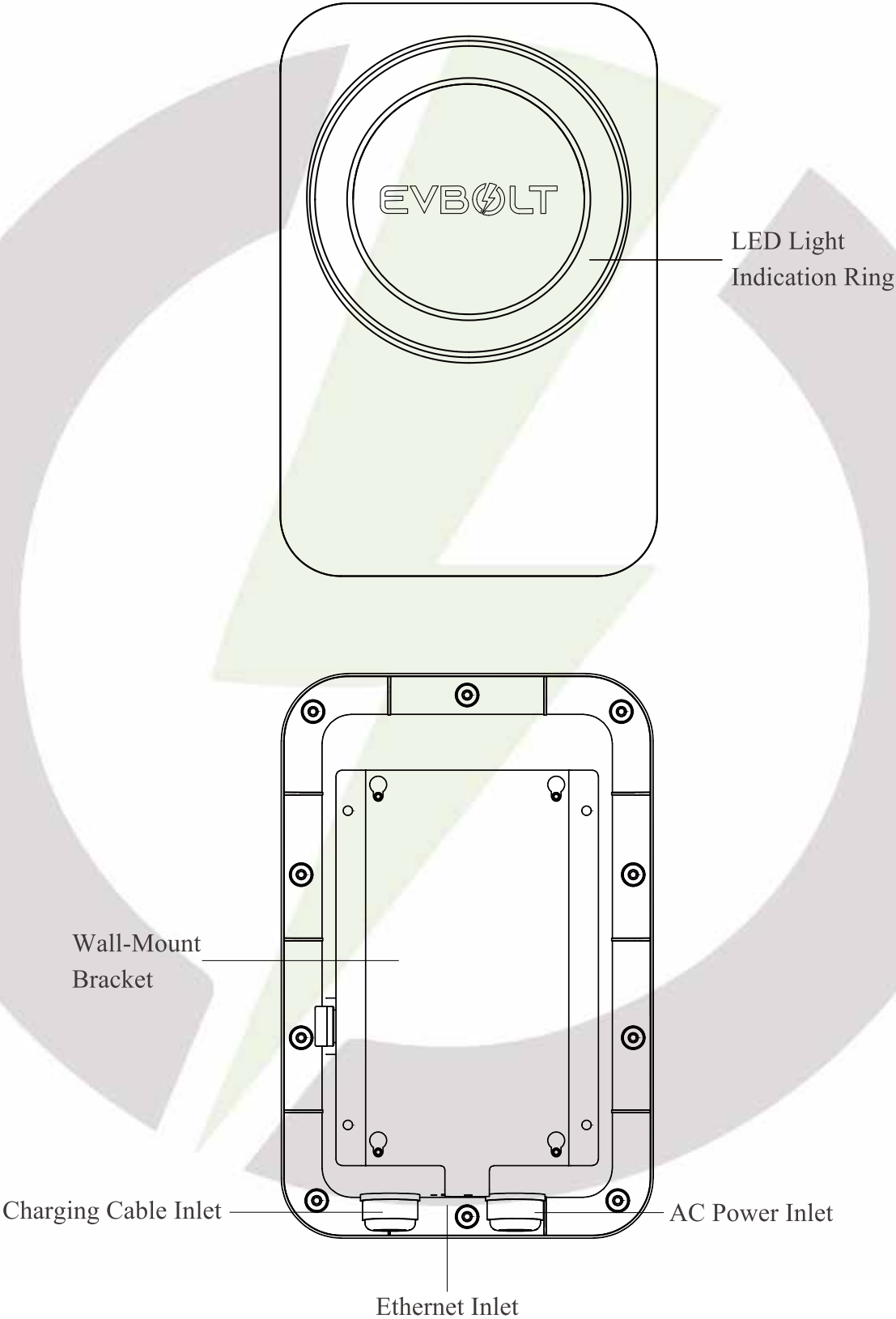
IMPORTANT NOTE:

In the event that these conditions cannot be met (for example certain laptop configurations or co-location with another transmitter), then the Canada authorization is no longer considered valid and the IC ID cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate Canada authorization.

NOTE IMPORTANTE:

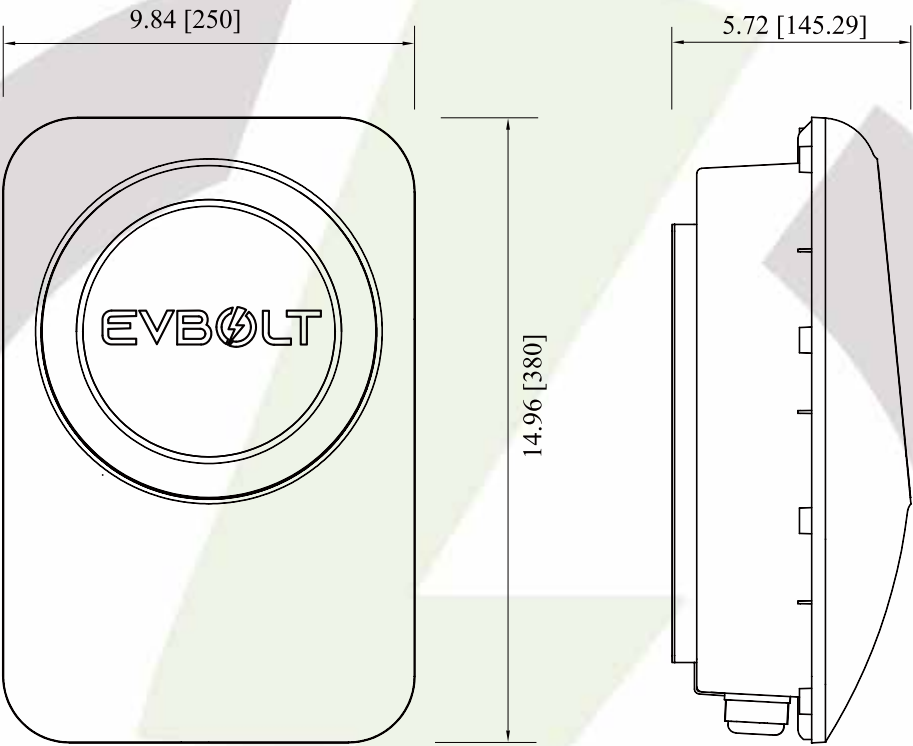
Dans le cas où ces conditions ne peuvent être satisfaites (par exemple pour certaines configurations d'ordinateur portable ou de certaines co-localisation avec un autre émetteur), l'autorisation du Canada n'est plus considéré comme valide et l'ID IC ne peut pas être utilisé sur le produit final. Dans ces circonstances, l'intégrateur OEM sera chargé de réévaluer le produit final (y compris l'émetteur) et l'obtention d'une autorisation distincte au Canada.

4. Interface

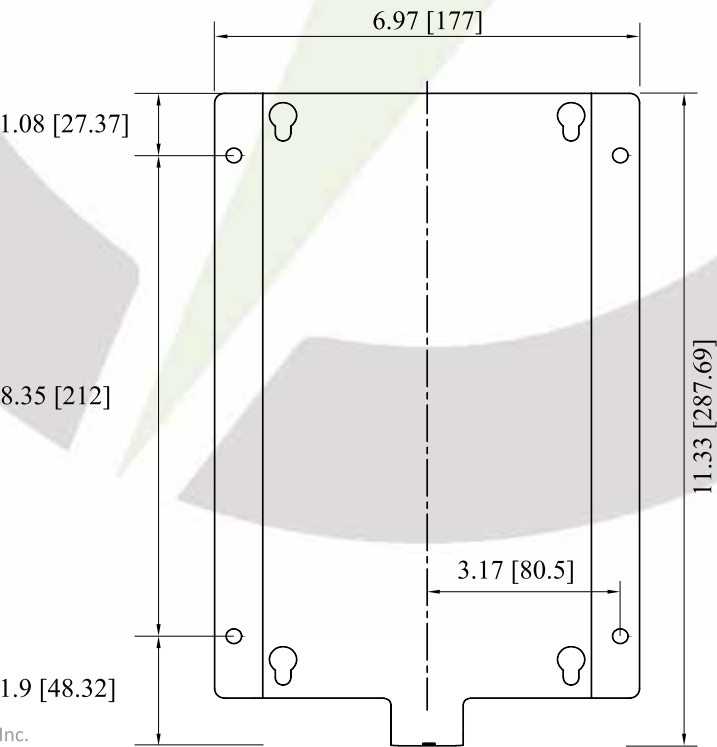


5. Dimensions

5.1 Main Size of Charger



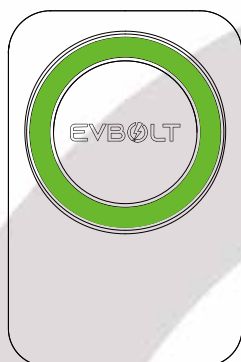
5.2 Wall-Mount Bracket



6. Specifications

MODEL NAME	REVIVE (EVB-AC-B11R)
Rated Input Voltage	120-250VAC
Rated Output Current	48A
AC Power Frequency	50/60 Hz
Input Protection	UVP, OVP, Surge protection, Ground fault
Output Protection	OCP, Control pilot fault, Residual current protection
Output Interface	SAE J1772 AC Charging Connector
Storage Temperature	-22°F ~ +158°F (-30°C ~ +70°C)
Operation Temperature	-22°F ~ +131°F (-30°C ~ +55°C)
Relative Operation Humidity	Up to 95% at 131°F (55°C) non-condensing
Relative Storage Humidity	Up to 95% at 158°F (70°C) non-condensing
Display	4.3-inch LCD
User Authorization	App enabled
RJ45 Cable Inlet	10M/100M Base-T
Wi-Fi Function	802.11 b/g/n
Optional Connectivity	Bluetooth, Wifi
Cable Length	24.61ft (7.5 meters)
Protection Level	TYPE 4
Installation type	Wall Mount, Pedestal Mount
Altitude	≤ 6562 ft (≤ 2000 meters)
Weight	<19.36lbs (8.78kg) with Cable; <22.70lbs (10.30kg) With Package
Dimensions	13.46 x 9.06 x 30.83 inches (342 x 230 x 783 mm)
Certification standard:UL2594-2016,UL2231-2:2020,UL 2231-1: 2016,UL 1998,UL 991-2010(ed_3)	

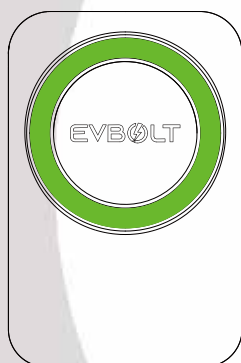
7. Status Description



READY

STANDBY

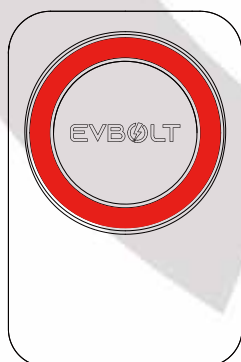
Green light stays steady in standby mode.



CHARGE

CHARGING

Green light blinking



FAULT

FAULT

Steady red light when fault occurs

8. Installation Instructions

8.1 Contractor Safety Guide

- A safe work environment for everyone - participants, installation and demolition crews, contractors and subcontractors
- Ultimately, it is the responsibility of contractors to ensure the safety and safe work practices of their employees and subcontractors who may be working at the site on their behalf
- This guide provides a simple reference guide with basic rules for implementation. This guide does not outline every single safety standard: it is designed to be a supplement to participants, contractors and subcontractors
- Contractors, subcontractors and employees should cooperate with their employers and other persons in complying with safety regulations and instructions
- In particular, employees should:
 - Obtain the qualified authorization of the responsible unit in the construction area
 - Work safely
 - Not do anything to endanger themselves or other persons
 - Use personal protective equipment as required and take reasonable care of it when it is not in use
 - Report unsafe activities immediately to supervisors or the responsible person in control of the workplace, and
 - Report all accidents and dangerous occurrences to the supervisor immediately after they happen

1- Reference standards



Adhere to the following codes:

- NFPA-70E -2021 Sec 110.3 (Electrical Safety in the Workplace)
- NFPA-70E -2021 Sec 130.4 (Shock Risk Assessment)
- NFPA-70E -2021 Sec 130.5 (Arc Flash Risk Assessment)

2- Requirements for workplace conditions



- Set up suitable fencing to isolate the construction area from outside
- Close and secure all entrances when the site is unattended
- Hang warning notices nearby which show the following information: warning icon and phone number of people in charge
- Install sufficient lighting fixtures

3- Cleaning up



- Keep work areas (including accessways) free from debris and obstructions
- Keep ground surfaces tidy and flat, to avoid people tripping or being hurt by tools or other objects
- Stack and store equipment and materials in a tidy and stable manner
- Regularly clean up and dispose of waste
- Remove all surplus materials and equipment after completion of work

4- Fire hazards

- Beware of flammable materials and goods. Keep them away from work areas.

5- Protection against high temperatures on the worksite



- Erect a sunshade or shed to shelter workers from the heat and sun
- Set up cooling equipment, such as exhaust fans
- Make water dispensers available
- Provide suitable protective clothing such as hat, sunglasses and long sleeves to protect workers from heat stroke and UV rays