



## Mobile Battery Energy Storage Systems

### Boston Fire Department



1. Apply for Portable Generator Permit on Boston Fire Prevention Portal <https://onlinepermitsandlicenses.cityofboston.gov/BFD>
2. Attach Spec Sheet of Unit, Attach site plan with location of unit.
3. Storage Systems **5kW** and above require BFD permit.

### Mobile Battery Energy Storage System Use Restrictions per BFD

4.10- Mobile ESS equipment and operations shall comply with NFPA 855

9.4.1- (4) **"Maximum Stored Energy"** – Mobile ESS equipment shall not exceed maximum stored energy values in table 9.4.1 (Lithium- Ion **600kW**, Lead Acid – Unlimited, other technologies 200kW, storage capacitors 20kW) *kW max is accumulative per location*

9.5.3.2.6.2- Deployed ESS systems **SHALL NOT be located indoors**, in covered parking garages, on rooftops, below grade, or under building overhangs.

9.5.3.2.6.6- **Clearance to Exposures**- Deployed mobile ESS shall be separated by a minimum 10 feet from, Public ways, buildings, stored combustibles, Haz-Mat.

9.5.3.2.6.6 (C)- **Deployed mobile ESS shall be separated by a minimum 50ft feet from public seating areas, tents, canopies, membrane structures with an occupant load of 30 or more.**

9.5.3.2.6.8- **Fencing**- An approved fence with locked gate shall be provided to keep the general public away from the enclosure of the mobile ESS.

9.5.3.2.4- Mobile ESS in transit from storage to deployed location shall not be parked within 100ft of an occupied building for more than 1 hour, unless approved by the BFD

9.5.3.2.3- **Approved locations**- locations where mobile ESS are charged, stored or deployed shall be restricted to locations approved by the BFD

A listed 2A:20BC Fire Extinguisher shall be available not more than 50 feet from mobile ESS.

Mobile ESS shall not be Refueled/ Recharged with another unit while operating.

Mobile ESS shall be UL Listed (UL 9540)