



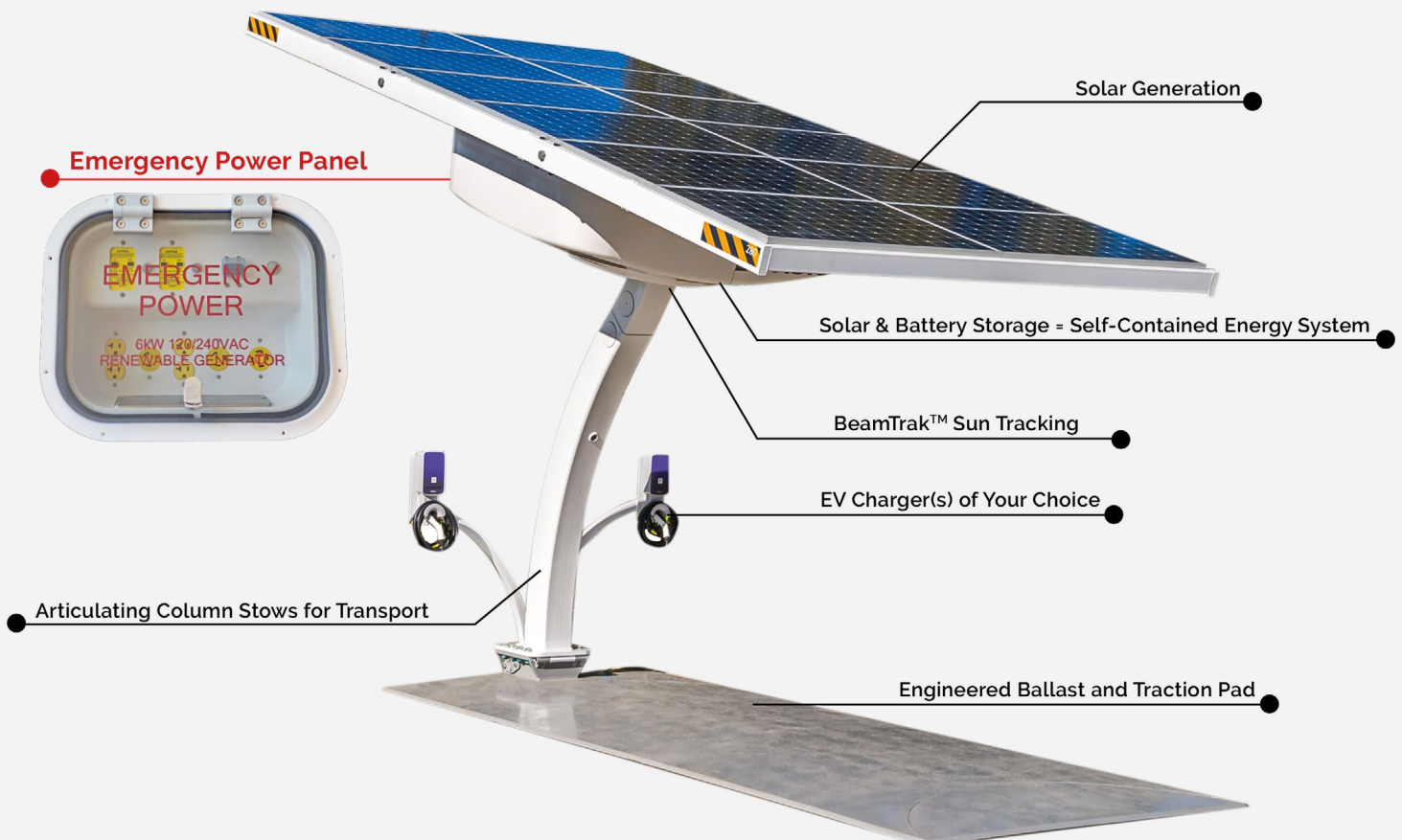
EV Charging | Emergency Preparedness | Energy Resiliency

EV ARC™ 2020

The EV ARC™ 2020 is a 100% off-grid solar-powered electric vehicle (EV) charger that serves double duty as a mobile emergency preparedness and energy resiliency asset. During grid failure it continues to produce, store and deliver energy. The Transformer ARC™ design folds into a low-profile structure for ease of transport, providing vital energy where and when needed.

- Mobile Energy
- Off Grid
- Rapid Deployment
- Emergency Power
- Easily Moved
- 100% Renewable

EV ARC™ 2020
"Transforms" into a low
profile for transport



EV ARC™ Solar Microgrid Powers 3-Day Anti-Terrorist Field Training Exercise

California Emergency Medical Services Authority (CAL EMSA) Runs Emergency Equipment Day and Night for 3-Day Training Operation



Day Job: Faithful solar-powered electric vehicle charging station. 100% off-grid.

Weekend Warrior: Mission-critical hero providing electricity in emergencies, disasters, grid outages.

Held on Alameda Island in California, CAL EMSA, local police and urban search and rescue squads held a three day training for first responders focused on anti-terrorist readiness. Two EV ARC™ units were deployed to power field operations and a field hospital. Each EV ARC™ had an Emergency Power Panel (included in FEMA's Authorized Equipment List). Exercises included mock civilian rescues and medical triage in various situations.

The two EV ARC™ units were combined to create a 208V, three-phase, 12 kW microgrid for clean quiet energy day and night. Replacing diesel generators typically used eliminated the need to store, transport and handle fuel, and eliminated the noise, noxious fumes, and fuel management.

Because EV ARC™ units are portable and 100% off grid, cities can build EV charging infrastructure, energy resiliency and emergency preparedness with one asset.

MISSION CRITICAL STATIONS POWERED:

Communications Hub

- ViaSat Satellite for Internet
- Monitoring camera
- Router, radio repeater
- Laptops, cell phones

Mobile Workstation

- 2 CB Radios
- Portable radio charger
- Lights
- ACU-M interoperability gateway
- Laptops, cell phones

Medical Tent and Ops Tent

- Medical tent with medical equipment, air conditioning, lights
- Operations tent with communications hub, air conditioning, lighting





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EV ARC™ 2020

The EV ARC™ 2020 is a versatile energy infrastructure product and is the only 100% renewable, movable, grid independent EV charging option that fits in a standard parking space. It is uniquely suited to serve emergency preparedness needs of local, state, federal and military agencies.

- Self contained EV/NEV charging station
- 4.3kW solar array with lithium ion battery storage
- Wind rated up to 120mph
- Flood-proof up to 9.5'
- BeamTrak™ sun tracking creates up to 25% more power
- Mobile for power where and when required
- Included in FEMA's Authorized Equipment List (AEL)*

Clean, Quiet, Safe Power

No fueling. No emissions. No noise. No on-site liquid fuel storage or handling.



* EV ARC™ solar powered charging stations are included in the FEMA Authorized Equipment List, under designation 10BC 00 SOLR Chargers.

EMERGENCY POWER PANEL SPECIFICATIONS

Provide vital electricity during emergencies, disasters, power outages or in locations without a utility grid connection. Deliver total continuous power of 25A at 240V max.

Breakers

- 1 x 30A main 240V breaker
- 2 x 20A push to reset 120V breakers
- 1 x 240V NEMA L14 30 outlet (not GFCI protected)
- 2 x 120V NEMA 5-20 duplex (GFCI protected)
- 2 x 120V NEMA L5-20 outlet (twist lock, GFCI protected)

Protection

- Waterproof covers and boots for breakers
- Lockable metal cover plate
- Open cover plate serves as a weather shield
- Padlock and key can be swapped for local standard emergency lock

