



## EV Mini



### Mini Off-grid Power Pack with Integrated Solar Charging

Designed to work off-grid, the EV Mini is a fully DC system, eliminating the wasteful AC-DC conversions, inverters and UPS devices typically needed by other on-grid systems.

To install, mount the solar panel, bracket and mini control box in a convenient location, run the DC cable to the EV Mini and plug the solar connectors in. Switch on the battery bank to charge the batteries or to run up to 4 load outputs.

The output ports can be varied to suit a wide range of devices that run on anything between 1.5V-60V. The EV Mini gives power to applications (e.g. CCTV systems, electric gates and Wi-Fi routers) where conventional energy solutions are either too difficult or too costly to deploy.

GSM monitoring allows the user to remotely turn the devices on and off. Through the EV app, a solar input and a load output power reading can be seen visually, allowing the user to track their energy savings.

- Plug & Play off-grid Power Supply with integrated solar charge controller and battery
- Glands allow installers to easily connect loads external to the unit without disrupting the waterproofing of the mini control box
- Up to 240 watts of solar power can be used with the mini control box with connectors to accommodate up to 2 panels
- A screen inside the box shows the battery capacity level as a percentage. The amount of power (being drawn or received) in watts is also displayed
- IP65 rated housing to allow outdoor mounting (e.g. on a pole). Solar Panel can be supplied with mounting bracket
- Easy maintenance

# Specifications

VOLTAGE DATA	
Connectivity	Ethernet LAN with GSM capabilities
Ports	Service port
	2 x PP15-45 anderson connectors – 12V(6A)-60V(2.5A) variable DC
	2 x jack plug – 1.5V(3A)-12V(3A) variable DC

  

BATTERIES	
Type	Lithium Iron Phosphate (LiFePO4)
Capacity of battery bank	480Wh / 0.48kWh
Battery life span	8 Years

  

POWER MANAGEMENT	
Power input	12V DC solar
Power consumption when operational	Depends on load, e.g. for router and cisco white box: ~14W

  

ENVIRONMENTAL SPECIFICATIONS	
Operating temperatures	-10~50°C
Storage temperatures	-10~75°C
IP rating	IP65

  

PHYSICAL	
Weight	14.5kg
Dimensions (H x W x D, mm)	500 x 300 x 200

  

BATTERY MANAGEMENT SYSTEM	
Options for monitoring locally on a PC, fault alarms & alerts	
Communication via RS232, RS485 and remotely over the internet	

  

WARRANTY	
Standard	1 Year
Extended	3 or 5 Years



**QUALITY  
ESSENTIAL  
DISTRIBUTION**  
TECHNOLOGY · SECURITY · SOLUTIONS

**This product is available from**

445 Oakshott Place, Walton Summit Centre  
Bamber Bridge, Preston PR5 8AT

**T: 01772 336 111**  
**F: 01772 336 444**

**E: sales@qedgroup.co.uk**  
**W: www.qedgroup.co.uk**