**Introduction**

The Purchaser is the electricity distribution network operator in two distinct regions in the United Kingdom (namely Scottish Hydro Electric Power Distribution plc and Southern Electric Power Distribution plc)and is legally obligated to maintain and operate the electricity distribution network to maintain supply to our customers.

As part of the Purchaser’s license to operate, there is an obligation to support vulnerable customers ‘customers’ during a power outage. As such, the Purchaser intends to purchase up to 20,000 batteries to provide to vulnerable customers to power up their medical equipment and other electrical equipment required. These must be distributed between now and 31 March 2028.

The Purchaser’s objective is to purchase sustainable, commercially ready batteries for this purpose.

The Supplier will supply such batteries in compliance with the specification detailed below.

**Specification**

**1. Total Power 750Wh – 1,250Wh**

**2. Sockets**

* + **Domestic Plug sockets**
		- AC Outputs (x2)
	+ **USB Sockets**
		- USB-A Output (x2): 5V DC,2.4A,12W Max.per port
		- USB-A Fast Charge Output (x2):5V DC9V DCI2V DC24A28W Max.per port
		- USB-C Output (:2):5V DC9V DC.15V DC.20V DC:3A60W Max.per port
	+ **Car Charger Port (Cigarette lighter socket)**
		- Car Power Output (x1): 13.6V DC,8A,108.8W Max

**3. Charging specification**

* + AC Charge Input Power: X-Stream Charge 1200W Max
	+ AC Charge Input Voltage: 220-240Vac.50Hz/6OHz
	+ Discharge Temperature: -4-140°F (-20-60°C)
	+ Charge Temperature: 32-113°F (0 - 45°C)

**4. Weight**

* + Under 15 kg battery (one-person lift)
	+ Handles

**5. Minimum Safety Certificates – UK Approved**

* IEC60083 British Standard
* CE marking

**6. Medical equipment support**

The battery/batteries support powering at least one or more of the below listed medical appliances including **estimated** minimum power consumption:

* Apnoea monitor (60W)
* Automated medication (100W)
* Feeding pump (100W)
* Ventilator (150W)
* Nebuliser (180W)
* Dialysis (250W)
* Oxygen use (400W)
* Oxygen concentrator (400W)
* Heart and/or lung ventilator (800W)
* Hoist / hospital bed (800W)

**7. User-friendly display, demonstrating:**

* + How long the Battery can be used for when in use (hh: mm)
	+ Percentage of Battery left
	+ Ease of use
	+ Clear instructions

***8. Optional extras***

* + Wheels with handle
	+ ‘How to’ videos for battery training and set up
	+ The ability to "Daisy Chain" (connect multiple) units to increase the time of use
	+ Solar Charging Capability (Solar Input: 10-65V DC10A.400W Max)
	+ Wi-Fi / Bluetooth connectivity - to check capacity when no access to a property utilising the battery

**Delivery**

Contracting parties are the Purchaser and the Supplier. The Supplier will supply and deliver batteries to the Purchaser’s customers within an average of 14 days of the Purchaser passing customer details to the Supplier, accompanied by the issuing of a Purchase Order. (*to be agreed with successful bidder)*

All delivery costs are borne by the Supplier.

**Maintenance**

The Supplier will provide warranty to ensure that the batteries can remain in use by the Purchaser for a minimum of 3 years.

Warranty shall be provided by the supplier at no additional cost during the warranty period.