Product Data Sheet
Battery Backup 500vA - 50Ah LiFePO4 Lithium

Pumps and chambers Combinations Tested:

KSB301 Amadrainer pump in our Mini, PRO and PRO XL chambers. Pump Duty point 4.5m/100 litres per min

Pedrollo TOP2 in our Mini, PRO and PRO XL chambers. Pump Duty point 4.5m/120 litres per min.



Newton's TAS-250R Ground Water Pump in our Mini, PRO and PRO XL chambers. Pump Duty point 5.8m/160 litres per min.

Results as follows:

KSB301 Amadrainer - Total volume of water pumped up to 8200 litres

Pedrollo Top2 - Total volume of water pumped up to 9840 litres

Newton's TAS-250R - Total volume of water pumped up to 8925 litres at 4.5m head, up to 12200 litres can be expected

Battery Backup Explained.

It is not logical to specify a battery backup system by defining the number of pump cycles per hour for a 24 hour period. It's a completely unscientific approach.
A pump cycle, depending on the model of pump, chamber size, fluid head of the discharge pipe, bore diameter, will all have an effect on the actual volume of water pumped per cycle.

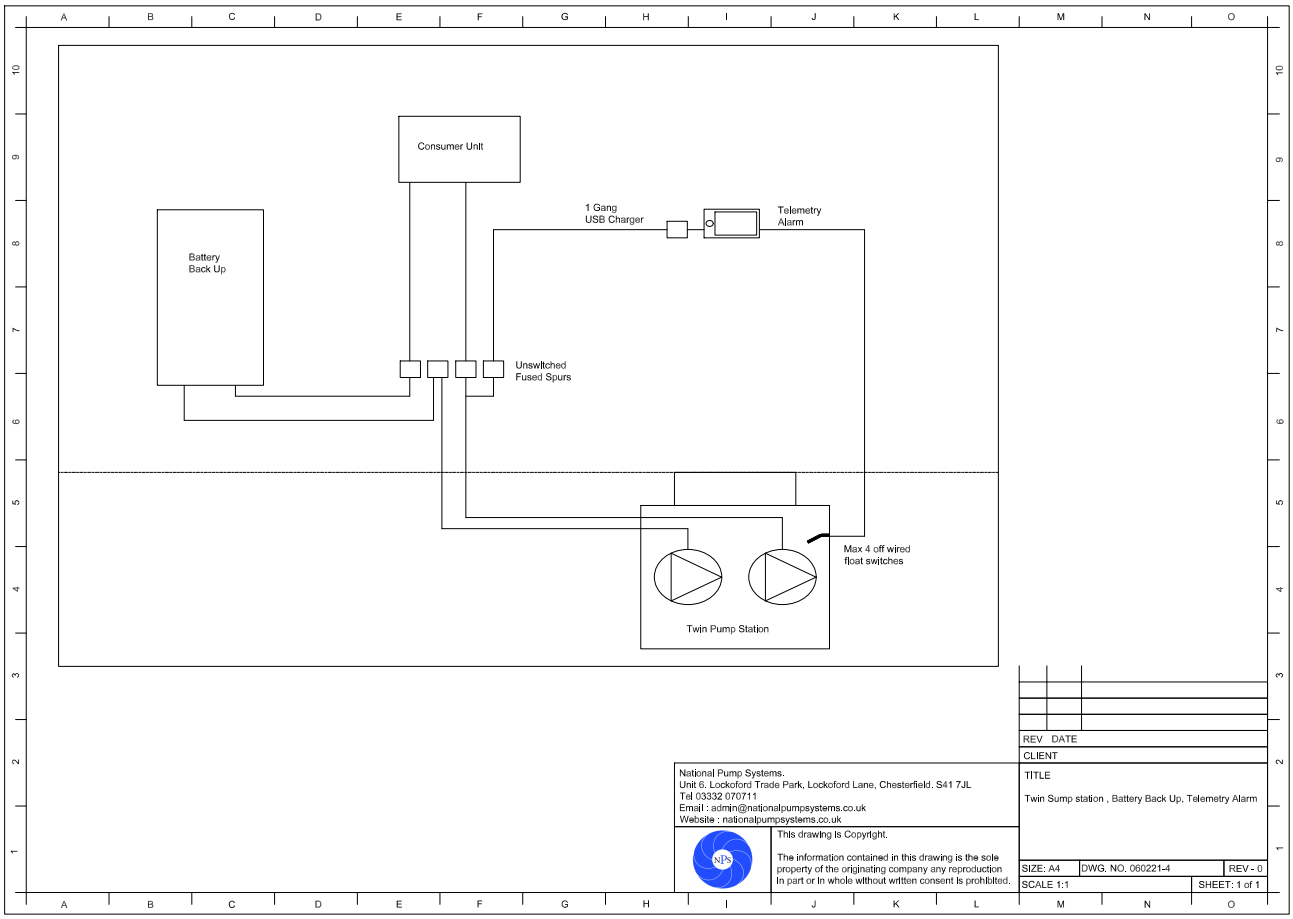
To choose a product ,that is fit for purpose, the designer must evaluate the actual volume of water to be pumped on back up power before someone can re install the mains power loss.
In the event of no water it may be a better solution (in disregard to BS8102:2022) to install a pump controller that measures and reports the actual number of pump cycles. Knowing this information will enable a system designer to decide if a battery back up is relevant or not. We supply a range of pump controllers and pump cycle counters

Product Dimensions: 59cm tall x 25cm wide x 15.5cm deep. Weight 13Kgs

Expected battery life - 10 Years

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Typical wiring diagram for a twin pump station with battery back up and our Telemetry alarm



We suggest that the battery back up is connected to the second pump and not the primary pump as in this example.