

1/2 Motorized Pump

My idea is very simple and I have already assembled a working prototype. Take a small Pump



Solution

available off the shelf in the local market . Fix this pump and a 500 Watt AC motor on a wooden platform (see picture). Use a fan belt to run the pump. The motor derives energy from a 1500 VA inverter.

This inverter derives its power from a 12V 150 AH battery which in turn, derives its power from solar panels generating a total of 500 watts of electricity. The whole contraption consists of three modular units: (i) wooden platform on which are based the pump and the motor, (ii) the battery at the base and the inverter placed on a shelf above – this could be placed on a small trolley with four wheels and two handles, one on each side, so that it can be lifted and carried by two persons and (iii) a trolley on which are fixed solar panels generating

500 watts of electricity, there would be provision for tilting the panels to the desired angle. This trolley would

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Creative's profile



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