

Data sheet **Villagepump 500E Solar Powered**

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| Dimensions | 1,73m x 0,50m x 0,62m (h x w x d); |
| Weight | 80kg |
| 24V – solar powered | Provided with submersible 24V Pentair Shurflo feed pump with maximum capacity of more than 400 l/hr and maximum static head of 25 meter; Standard length of hose: 15 meter; 0,5 mm mesh pre filter; suitable for light till average polluted water - higher static head or other hose lengths etc. on request |
| Power Consumption | 200 - 250 W rated, depending on depth of water source |
| Solar power capacity | on average 400 – 500 Wp for 6 – 7 hrs operation during daytime but depending on weather circumstances |
| Technology | Capillary Ultrafiltration Membranes, Pentair Aquaflex 4.5 Optional: Activated carbon cartridge (2,5 x 20" or 4,5 x 20") |
| Cleaning | Automatic high-pressure backwash Adjustable frequency of back-wash |
| Biological retention and turbidity | Results after treatment by Villagepump: Total Coliform / E Coli / F Coli: <1 CFU/100ml Total Plate Count: <100 CFU/ml. Turbidity: < 5 NTU (with a maximum of 500 NTU at raw water) |
| Operating conditions | Ambient temperature min +1°C, max +40°C Feed water temperature min +1° C, max +30°C |



Villagepump 500E at IFAT and in Cox's Bazar, Bangladesh



Villagepump 500E in the Netherlands, powered by 4 x 100 Wp solar panels

Limited warranty: Villagepump BV represents and warrants for the warranty period of one year after installation of 18 months after delivery (whatever date comes first) that its product will be free from substantial defects in material and workmanship. This warranty is subject to exclusions and limitations. For details on warranty and limitation of liability please refer to our warranty sheet.

Disclaimer: The information and data contained in this document are based on our general experience and are believed to be correct. They are given in good faith and are intended to provide a guidance for the selection and use of our products. Since the conditions under which our product may be used are beyond our control, this information does not imply any guarantee of final product performance and we cannot accept any liability with respect to the use of our product. The quality of our product is guaranteed under our conditions of sale. Existing industrial property rights must be observed. Villagepump BV reserves the right to make changes in the technical specifications at any time.

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