

## SolarSpring ECO 300

is a compact and innovative water treatment plant. It guarantees a reliable and safe water supply from dirty and microbiological contaminated water sources without using chemicals. Automatic operation, low maintenance and easy plug & play setup are the features of this system.



| Specification – SolarSpring ECO 300 |   |
|-------------------------------------|---|
| Application                         | Water purification from turbid and microbiological contaminated water   |
| Raw water source                    | Rivers, lakes, wells, boreholes and contaminated tap water  |
| Water quality                       | Up to 99.999 % retention of microorganisms, bacteria and viruses  |
| Nominal flow capacity               | 300 l/h (300 - 600 l/h possible)  |
| Supply                              | From existing pressure pipe or integrated feed pump (optional accessories)  |
| Filtration yield                    | 99%   |
| Power consumption                   | 8 W   |
| Dimensions                          | 1270 x 590 x 292 mm (LxWxH)   |
| Weight                              | 37 kg   |
| Housing                             | Stainless steel platform for wall mounting  |
| IP degree of protection             | IP55  |
| Pre-treatment                       | Strainer 1000 µm  |
| Main-treatment                      | High quality UF-module with robust multi-bore membrane 6 m <sup>2</sup> / 0.02µm and automatic back flush system  |
| Post-treatment                      | Optional  |
| Operation                           | Automatic PLC controlled operation with display and data logger   |
| Power source                        | Grid (100-240 VAC 50/50Hz) or solar (24VDC)   |
| Ambient temperature                 | 0-50°C  |
| Water temperature                   | 2-40°C  |
| Feed turbidity                      | Standard membrane <50 NTU / max. 100 NTU (short term peaks)<br>Heavy membrane <200 NTU / max. 400 NTU (short term peaks)  |
| Filtration pressure                 | 0.1 – 1.5 bar   |
| System pressure                     | 1.0 – 2.5 bar   |
| Backwash pressure                   | 3.0 bar   |
| Max. system pressure                | 6 bar   |
| Optional accessories                | <ul style="list-style-type: none"> <li>• Surface or submersible feed pump 24 V</li> <li>• Solar package including:<br/>Solar panels 300Wp, 24V<br/>Solar charge controller 20A, 24V<br/>High cycle AGM battery 50Ah, 24 V, 2500 cycles @ 50% discharge</li> <li>• Service cleaning package (CIP)</li> </ul> |