



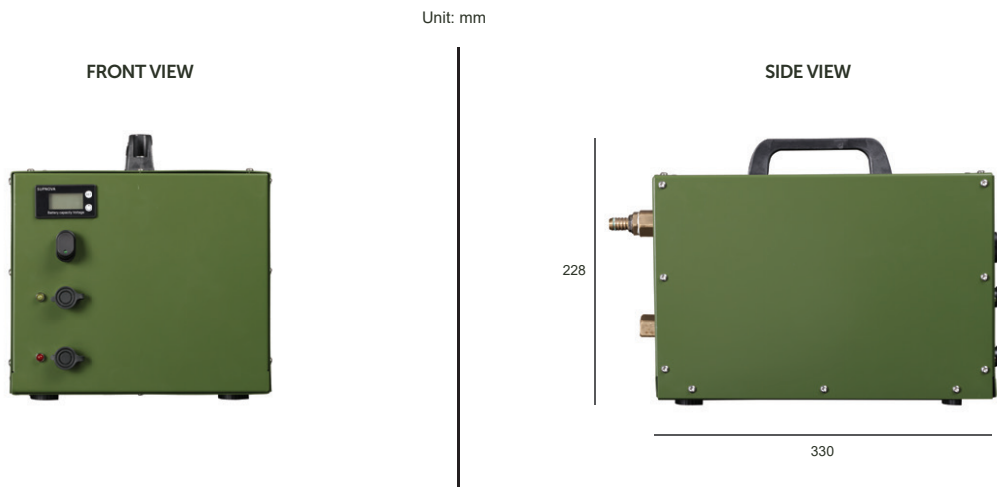
## SOLAR POWERED DC WATER PUMP

CW DEFENCE Water pump set is a mechanical mechanism used to transport liquids, characterized by advanced design, compact structure, reliable performance, convenient service and low noise. It moves fluid from low pressure to high pressure and therefore creates a difference in pressure. It works using the principle of mechanical forces pushing matter with physical lifting or compression force. The product, which is designed by choosing high quality and durable materials, also includes a solar panel and integrated Lithium Iron Phosphate batteries instantly integrated into the 220V mains input. Equipped with different energy sources, the system is designed for sustainable and independent operation.

### TECHNICAL SPECIFICATIONS

WATER PUMP	CWD-PMP-60W
Maximum Solar Input Voltage [V]	100
Maximum Solar Input Current [A]	30
Maximum Solar Short Circuit Current [A]	35
Battery Capacity [kWh]	768 (12V-60A)
AC Input Voltage [V]	220/230
Pump Design	Positive Displacement 3 Chamber Diaphragm Pump
Control Valve	(1-way Operation) Prevents Reverse Flux
Motor	Permanent Magnet, P/n 11-111-00
System Voltage [V]	12
Pressure Switch [Psi]	Adjustable Shutdown (Range 40-60 Psi) Factory Setting 50 Psi, Open 35 Psi 5 Psi
Liquid Temperature [°C]	77 (Max.)
Prime	Up to 12 Ft Self-Lining Vertical, Max. Inlet Pressure 2.1 Bar
Ports	1/2"-14 Male Parallel Thread
Weight [kg]	12
Dimensions (WxDxH) [mm]	255x330x228
Casing Material	Stainless Steel

### PHYSICAL CHARACTERISTICS



\* The specifications are obtained under the standard test conditions: 1000W/m2 solar irradiance, 1.5 Air Mass and cell temperature of 25°C. Measurement uncertainty for all panels is 3%. The actual transactions will be subject to the contracts. These parameters are for reference only and it is not a part of the contracts. The technical specifications in this document may vary. For more information, refer to the "Installation Manual".

\* CW DEFENCE reserves the right to change the specifications of the products without prior notice.

\* CW DEFENCE products are project-based products and can realize special projects upon your requests.