

MPRO® 60HDX™

*Military Portable Reverse Osmosis
Water Purification System*



The MPRO® 60HDX™ from HDT Global is a platoon-sized water purification system that offers the most versatile power source options in its class. Portable, modular and scalable, the MPRO 60HDX provides immediate, potable water to military, humanitarian and disaster relief personnel. Whether the source is freshwater, brackish water, or seawater, the MPRO 60HDX provides absolute water purification from a wide range of sources such as streams, lakes, rivers, and oceans.

The extended capability modules make it the most versatile water purification system in its class. Simple, versatile, and hardened for any field environment.

A variety of power options – 24VDC power module (included), 24 to 28VDC power source, 24VDC NATO connector, optional AC to DC converter Module – makes the MPRO 60HDX a truly self-contained unit that is completely independent of fuel.

KEY FEATURES

- 60GPH (227 LPH) maximum flow rate on freshwater sources
- 30GPH (113.6 LPH) maximum flow rate on saltwater sources
- Lightweight design allows 2-person portability of modules and 1-person operation
- Modular design provides adaptive layout to changing expeditionary environments
- Rugged, open-frame design for ease of maintenance and element replacement
- Transportable by an all-terrain vehicle (ATV) or any military / civilian vehicle
- Raw water source to system up to 50 ft (15.2 m)
- Purification and Power Modules are stackable, reducing operational footprint
- Operational flexibility can be achieved with the addition of Extended Capability Modules (ECM)

HDT MPRO® 60HDX™

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Purification Module

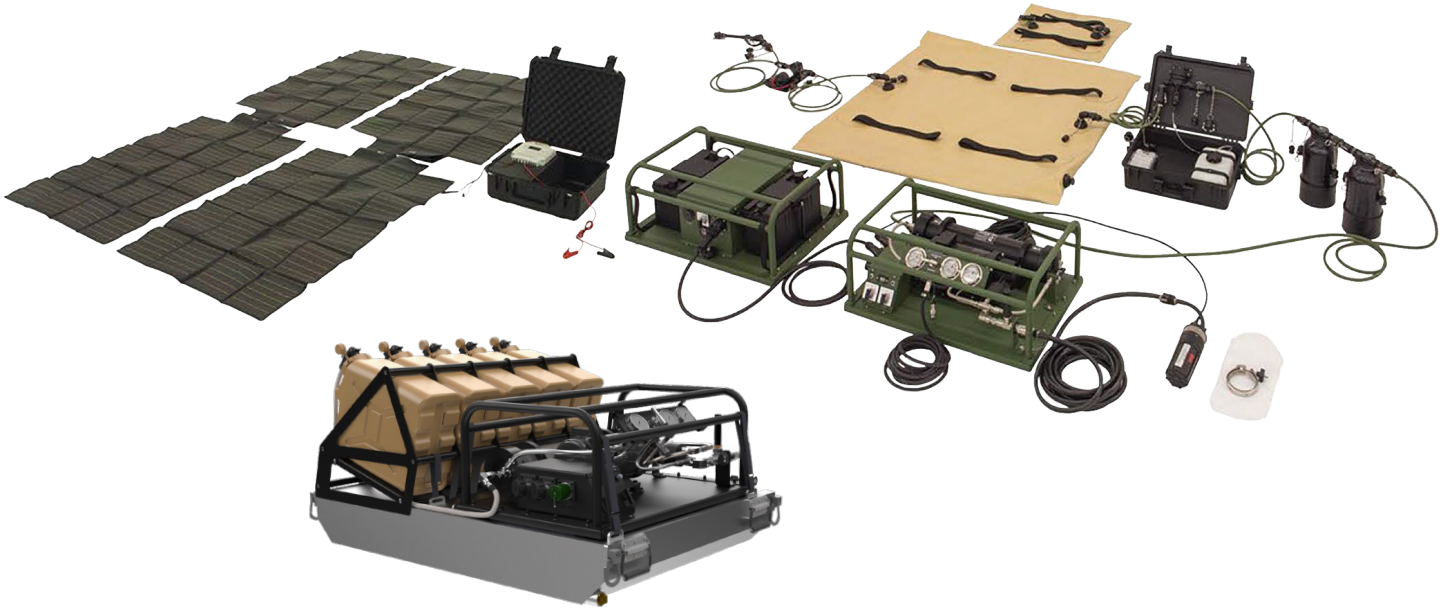
HDT Part Number	MPRO-60HDX Offered in green, tan or black. Specify color when ordering.
Dimensions	32" x 22" x 13" 81.3 cm x 55.9 cm x 33 cm
Weight	138 lbs 62.6 kg
Power	24VDC power module (included), 24 to 28VDC power source, 24VDC NATO connector, optional AC to DC Converter Module
Pretreatment Filtration	Reusable 5-micron bag



Power Module – Supplies power to the Purification Module

	Standard Module	Extended Run Time Module
HDT Part Number	EPU-120HDX Offered in green, tan or black. Specify color when ordering.	EPU-200HDX
Dimensions	32" x 22" x 13" 81.3 cm x 55.9 cm x 33 cm	32" x 22" x 13" 81.3 cm x 55.9 cm x 33 cm
Weight	129 lbs 58.5 kg	137 lbs 62.1 kg
Power	Two lightweight 24 volt Lithium Ion batteries for independent operation	
Runtime	4 hours	10 hours
Recharge Time	< 4hrs	< 4hrs
Battery Life	3000 cycles (charges)	3000 cycles (charges)
Optional Power	AC/DC power source charges the batteries while supplying power to the Purification Module Optional Solar Module extends Power Module run-time	

MPRO 60HDX EXTENDED CAPABILITY MODULES



Maximize the operational flexibility of the MPRO 60HDX™ with the addition of Extended Capability Modules (ECM). ECMs expand the functionality of your system to adapt to ever-changing and demanding field environments.



CHLORINE INJECTOR MODULE

P/N MPRO-7-0100

This module injects a measured amount of chlorine into the product water for disinfection and to help prevent the growth of harmful bacteria.



PRODUCT WATER STORAGE MODULE

P/N MPRO-10-0100

Storage bladders receive and store potable water. Module includes case, bladders, bag adapters and repair kits.



AC-DC CONVERTER MODULE

P/N MPRO-8-0100

This module converts 120VAC to 24 VDC, and can be operated inside or outside the hardened case. It provides the capability to operate the Purification Module from standard house or generator power.



PRODUCT WATER FLOW METER MODULE

P/N MPRO-11-0100

This 0.2-2 gallon per minute flow meter provides a method to monitor the product water flow.

MPRO 60HDX EXTENDED CAPABILITY MODULES *continued*



DISTRIBUTION MODULE

P/N MPRO-6-0100

This optional external pumping system, used in conjunction with the Product Water Storage Module, distributes potable water into various capacity storage containers.



NBC WATER TREATMENT MODULE

P/N MPRO-5-0100

This module can be added to remove NBC agents from the product water. Decontamination is performed by resin and carbon canisters placed in the product water stream between the Purification Module and the chlorinator.



SOLAR POWER MODULE

P/N MPRO-13-0100

These foldable solar panels can extend the battery life of the Power Module up to 50%, and are field proven for mobility and performance. They exceed the requirements of MIL-STD-810, and are approved by CE COM as part of the BB-2590 soldier battery pack.



SH-1171 WATER ANALYSIS TEST MODULE

P/N MPRO-12-0100

This lightweight kit gives the operator the ability to rapidly assess seven water quality parameters: TDS, pH, temperature, conductivity, resistivity, chlorine and turbidity.



DC-AC INVERTER MODULE

P/N MPRO-9-0100

This 2000 watt power inverter connects directly to a 12 volt battery and converts 12VDC to 120VAC. It can operate inside or outside the hardened case. Provides the capability to charge the Power Module and operate the Purification Module at the same time from any 12VDC battery.

ROVER

P/N MPRO_ROVER

This 51" x 37" x 25" skid, in conjunction with a MPRO Purification Module*, produces potable water on the move. The MPRO purifies raw water from a 50-gallon storage tank and dispenses through a manifold system to jerry cans capable of storing up to 20 gallons. The Rover requires a 24v NATO power source or the Power Module.



**MPRO Purification Module is shown for display purposes only and must be purchased separately.*