



DC POWER MANAGER

Maximize alternator power for use in gyros, air conditioners and trolling motors. The DCPM protects your start battery while delivering industry-leading power to maximize alternator output for charging your house bank.

 **DOMETIC**

EMPOWER BOATING COMFORT

Benefits with DC Power Manager

Marine Optimized

- Operates from 12-48V
 - (DCPM1000 12V/12V - DCPM1200 12-48V/12-48V)
- Supports 80A per side and up to 4kW of power
- Built for harsh marine conditions, fully potted, IP67 waterproof
- Single SKU configurable via the Dometic Service App
- ABYC Compliant and NMEA2000 CAN Compatible

Bi-Directional

- Dynamically steps voltage up or down to match any onboard DC voltage or battery chemistry
- Uses excess alternator power to charge all batteries
- Keeps start batteries topped up
- Autonomous power management

Simplified Rigging for Builders

- Requires only one AC charger connected to shore power
- Manages charging for all batteries - start, house, trolling, thruster - without ACRs or relays
- Reduces wiring complexity, system weight, and battery quantity

Unified Power

- Charges trolling batteries during transitions between fishing spots
- Converts independent battery banks into a unified smart power network



1. Simple

80A of automatic bi-directional power that will protect and charge start battery. Single AC charger needed per boat.



2. Flexible

Supports any chemistry on either side with adaptive charging.



3. Durable

Designed and built for harsh marine use. Fully potted and IP67 rated.

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SPECIFICATION	VALUE
FEATURES	
Battery Chemistry Supported	AGM/GEL, SLA, FLA, Lithium
Bi-Directional Power Flow	Charge up to 80A in either direction
Intelligent VSR	Maintain start battery voltage above user defined threshold
ELECTRICAL	
Input Voltage	8-64V
Output Voltage	8-64V
Output Voltage Tolerance	100mV
Maximum Output Current	Up to 80A
No-Load Current Consumption	<500mA
Standby Current Consumption	<10mA
COMMUNICATION	
HTML5	with external Connectivity Hub CH20 or CH30
Wireless Service App	Configure, troubleshoot, and control wirelessly
Public CAN Bus	NMEA 2000
Private CAN Bus	j1939 Compliant, reserved for integration
CONNECTOR	
I/O Connector	Amphenol P/N: AT13-12PA-BM20CP 12 Pin Deutsch DT compatible
Power	3x M8-1.25x18mm Stud
CAN Communication	M12 DeviceNet
N2K Communication	M12 DeviceNet
ENVIRONMENTAL	
Operating Temperature	-25°C to +70°C [ISO 25197]
Storage Temperature	-40°C to +85°C [ISO 25197]
Corrosions Resistance	Salt Spray: 300 hours energized + 700 hours unenergized [ASTM B117]
Ingress Protection	IP67 [IEC60529]
Random Vibration	.0284g ² /Hz [ABYC P-27]
Resonant vibration	4g zero-peak, 20-2000Hz [ABYC P-27]
Thermal Shock	-15°C to 85°C, 10 Cycles; 85°C air to 0°C water
Mechanical Shock	50g, 11ms half-sine shape [ISO 25197]
Chemical Resistance Compliance	SAE J14565: Engine Oil, Diesel, Anti-Freeze, Gasoline, Alcohol, ATF, Hydraulic Oil, WD-40, Kerosene, Acetone
Flammability Rating	UL-94 HB
PHYSICAL	
Weight	8.81 lbs/4kg

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