NEWMAR®

DC Power Onboard – Emergency & Specialty Vehicles℠

Mobile Computer Back-up Power

Battery Chargers/ Inverters

Meters/ Instrumentation

Distribution Panels

11/12

Battery Chargers - PT Series

Multiple Battery Bank Systems

PT Series chargers are ideal for charging multiple battery bank systems. Phase Three "Smart" battery charging technology provides significant benefits over traditional float chargers whose output voltage droops under heavy loads, and fails to attain proper voltage levels recommended by battery manufactures as part of a proper charge cycle. These issues are particular significant in Emergency Vehicle applications where rapid recharge is required while powering DC loads, and reliable service life of batteries is critical. PT Series chargers feature multiple isolated outputs to charge independent battery banks.

Features

- "Smart" circuitry provides three stage charging – bulk, adsorption, float; restores batteries quickly
- Gel-Cell/Flooded Lead-acid/AGM battery type switch selects optimum charge/float voltages
- Multiple isolated outputs - charge independent battery banks
- Clean output poses no interference with radios and other mobile electronics
- Built to last - rugged stainless steel case with a durable white powder coat finish with polyurethane coated circuit boards
- Versions available for 80, 40, 25, 14 & 7 Amps @ 12 VDC
- 115V or 230V user selectable input voltage
- Available with the EVM-12-1 (single) or EVM-12-2 (dual) remote battery condition meters

Models	Output	# of Outputs	Input Voltage	Case Dimensions
PT-80	80 Amps	3	115/230V	14.8" H x 9.6" W x 5.6" D
PT-40	40 Amps	3	115/230V	13.8" H x 9.5" W x 4.8" D
PT-25	25 Amps	3	115/230V	12.5" H x 7.7" W x 4.3" D
PT-14	14 Amps	3	115/230V	12.5" H x 7.7" W x 4.3" D
PT-7	7 Amps	2	115/230V	10.5" H x 5.0" W x 2.8" D

24V Charger models also available

Optional Meters

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DCV

EVM

Optional Accessories

EVM-12-1	Single Display Remote Battery/Charger Monitor
EVM-12-2	Dual Display Remote Battery/Charger Monitor
DCV	Remote Digital Battery Display (up to 3 battery banks)
TCS-12-24	Temperature Compensation Sensor (Available in 25 or 40 ft)
KWIK-EJECT	Available in 15A or 20A (120V) versions. Choice of 3 colors
ACP-12	Air Pump

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Battery Chargers - EV Series

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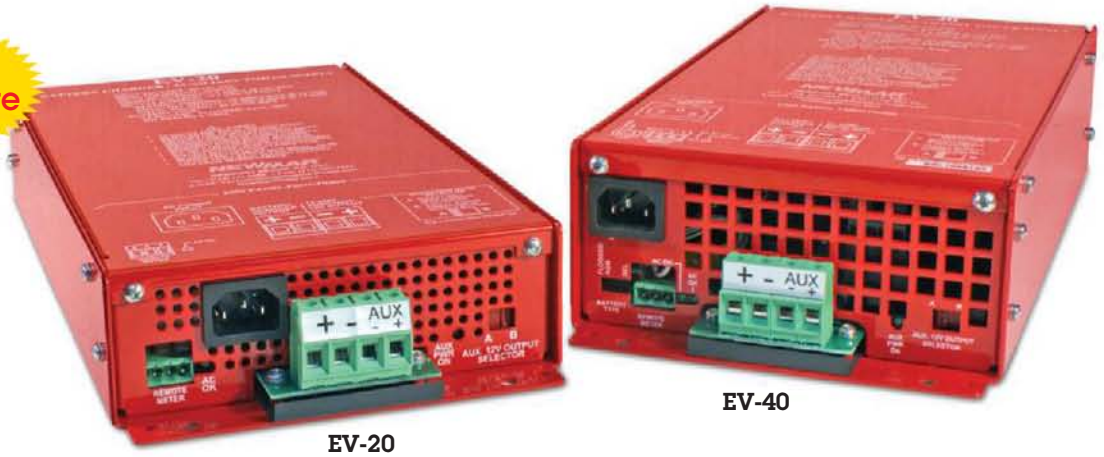

EV-20

EV-40

Low Profile, 20 & 40 Amp, Smart Chargers

Get more battery charging power in a compact package that saves valuable compartment or under seat space in fire apparatus and other emergency vehicles. The EV series smart chargers provide rapid replenishment of batteries, with a clean, no electronic interference output. Front panel connections allow easy wiring of batteries, remote meter, and auxiliary loads such as hand lights/ radios /air pumps.

EV Series Features

- Super low profile design: saves valuable compartment and under seat space
- Auxiliary 15 amp output circuit with power source selector switch for operating accessory loads: air pump, flashlights or handheld radios
- Optional mounting plate features slide-in and lock design for easy installation/removal under seats and other hard to access locations
- Heavy duty terminal block for secure connections
- Durable powder coat finish
- Available as kit with remote battery meter (EVM-12-1), Kwik-Eject, air pump

EV-40 Features

- Fast 3 step charging: Produces up to 40 amp output to quickly replenish batteries, then switches to lower float voltage maintenance mode for no overcharging
- Battery type selector switch to program use with Gel Cell/ Flooded Lead Acid/AGM batteries
- Clean 40 amp output poses no interference with radios and other mobile electronics
- Low profile design, only 3.2" high

EV-20 Features

- 20 amp rating, clean output - no electronic interference
- 2 step charging, bulk-float
- Lowest profile design, only 2.32" high

Model	Output	Size*	Weight
EV-20	20 Amps	2.32"H x 13.12"D x 6.8"W	5 Lbs.
EV-40	40 Amps	3.13"H x 13.12"D x 6.8"W	7 Lbs.

** Same mounting footprint as K-1200*

Options

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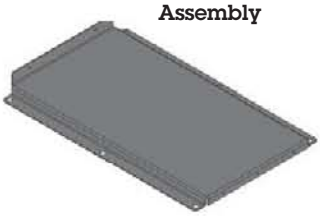
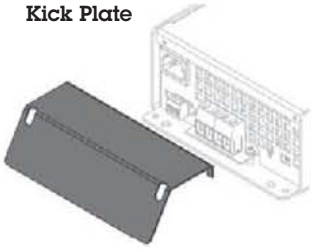
Remote Meter

Slide-In Mounting Plate Assembly



Kick Plate



Kwik-Eject

Air Pump

	Combination Kits		
Model	EVM-12-1	Kwik-Eject	Air Pump
EVXX/12-1	✓		
EVXX/12-1/Eject	✓	✓	
EVXX/12-1/Eject/Pump	✓	✓	✓
EVXX/12-1/Pump	✓		✓

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Battery Chargers - Waterproof

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WP-20

These rugged waterproof charger is specifically designed for installation in exposed locations onboard fire trucks, utility, and specialty vehicles. The 100% sealed case permits installation in wet and exposed areas not available to traditional on-board chargers, thus freeing valuable in-cab and compartment space. A waterproof remote meter for mounting on the side of the vehicle or in-dash displays the charge level via color coded bar graph, allowing quick check of battery condition.

Features:

- Rugged water proof anodized aluminum heat sink case allows installation in wet /exposed areas on vehicle.
- Multi step output charges quickly and safely restores lead acid or gel type batteries
- Remote Status meter: LED shows when charger power "ON" and bar graph indicates battery condition
- Designed for one battery bank operation. Second battery bank easily tied in via optional battery integrator (model BI-100)
- Protection: Current limiting and reverse polarity protected
- Waterproof to high pressure hose downs
- Remote meter included

Model	Output	Size (H x W x D)	Weight
WP-20	20 Amps	8.2 x 7.5 x 3.15	14 Lbs
WP-35	35 Amps	14 x 6.875 x 5.75	30 Lbs

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Remote Meter Included

Inverter - Charger

Inverter-Charger

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This line of inverter-chargers uses 12 volt battery power to produce pure sine wave 115 VAC power in mobile applications, and recharges vehicle batteries when an external AC source is available. The circuitry and construction are field-proven to provide reliable power in harsh environments and in rugged mobile and industrial applications.

Features

- Rugged hostile environment-proven circuitry generates Perfect Sine Wave AC for powering any appliance,
- Built-in high output three stage charger for rapid battery bank replenishment - programmable for gel-cell, flooded lead-acid or AGM battery type
- All important aspects of inverter and charger operation clearly displayed with front panel status indicators- optional remote panel available
- Numerous safety and circuit protections: short circuit, over load, over-temperature, ground fault protection, output circuit breaker
- Thermally controlled cooling fan prolongs life of components
- Automatic low voltage shutdown circuit prevents damage to batteries due to over-discharge when using inverter function
- Heavy duty powder coated aluminum construction and conformal coated internal circuitry – built to last in the rugged field environment
- UL listed with full two year warranty

Case Size	D	W	H	Weight: Lbs./Kg.
12-1200 IC EV	12″	11.5″	6.9″	32/14.5
12-1800IC	15.5″	16″	7.5″	54/25
12-2500IC	15.5″	16″	7.5″	54/25
12-3000IC	16″	17″	10″	75/35

Specifications

Model	12-1800IC	12-2500IC	12-3000IC	12-1200 IC EV
Inverter Output: 115V, 60 Hz. Pure sine wave				
Watts (Surge)	4000	6500	6500	2500
Watts (Cont.)	1800	2500	3000	1200
Inverter Input: 11-14 VDC				
Max Amps	180	250	300	120
Charger Input: 115V, 60 Hz.				
Max Amps	15	25 adjustable	20	13
Charger Output: Three Stage				
Max Amps @ V	85A	100 adjustable	105A	55A

Inverter

The PS-2 series is an advance true sine wave power inverter perfect for operating appliances and equipment requiring up to 1000 watts. Delivering high surge power to start motor loads and appliances makes it a great AC power source for emergency and commercial vehicles.

Features:

- True Sine Wave AC power
- Lightweight and Compact Design
- High Surge Power
- Built in Safety Protection
- Remote Control Capabilities
- Power Saving Mode

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Case size:	D	W	H	Weight: Lbs./Kg.
12-1000 PS	15.08″	7.17″	3.46″	8.8 Lbs.
	38.3 cm	18.2 cm	8.8 cm	4 Kgs
12-1500 PS	16.34″	7.52″	3.46″	10.56 Lbs.
	41.5 cm	19.1 cm	8.8 cm	4.8 Kgs.

Specifications

Models	12-1000 PS	12-1500 PS
Inverter Output: 115V, 60 Hz. Pure sine wave		
Watts Continuous	1000	1500
Watts surge	2000	3000
Inverter Input: 11-14 vdc		
Max amps	130	170

Mobile DC UPS

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Mobile Data Power System

- Protects mobile computers against system crash, lengthy reboot sequences, and loss of data
- Provides supplemental voltage in milliseconds to mobile data devices when low vehicle battery is sensed.
- Built in Multi-Stage filter provides clean power required by mobile electronics
- Provides output warning signals to mobile computers (such as Motorola® MW 800 series work stations)
- Internal 3 stage, temperature compensated charger maintains back-up battery in fully charge stand-by state.

Specifications

- Aluminum case with access door for easy removal of battery
- Heavy duty mounting suitable for commercial vehicle use

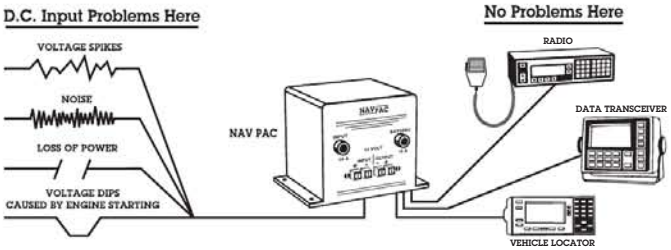
Size: 5.75"H x 6"W x 8"D;
(14.6 x 15.24 x 21.59 cm)

Weight: 9.4 lbs.

NAV-PAC™

- Prevents voltage "drop-out" during engine start
- Absorbs line "spikes"
- Filters out electrical interference
- Provides supplemental voltage/battery back-up for up to 15 min.
- Remote monitor panel (optional)
- Available with or without on/off switch

Provides Continuous Voltage Protection



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Case Size (H x W x D): 5.25" x 6.2" x 7.4"
(13.3 X 15.7 X 18.8 cm)

Weight: 5.9 lbs., 2.7 Kg.,

StartGuard™

Provides Voltage Protection During Engine Start

Specifications

Input Voltage: 13.8 - 14.8 VDC nominal, 15.5 VDC max.

Relay Activation Input Voltage: 7-15 VDC
Output: 20 amps max.
Battery: 12 VDC, sealed rechargeable, 5 - 7 year life (typical)
5 amp-hour capacity, Certified by DOT and IATA for shipment by air.
Back-up Capacity (Fully Charged): 20 Amps for 1 minute
18 Amps for 2 minutes
Case Size: 8.25"D x 4.9"H x 3.5"W
Weight: 5.5 Lbs.

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DC Power Onboard – Emergency & Specialty Vehicles

DC Power Conditioners

12-12-31

12 & 24 Volt Stabilizing Converters

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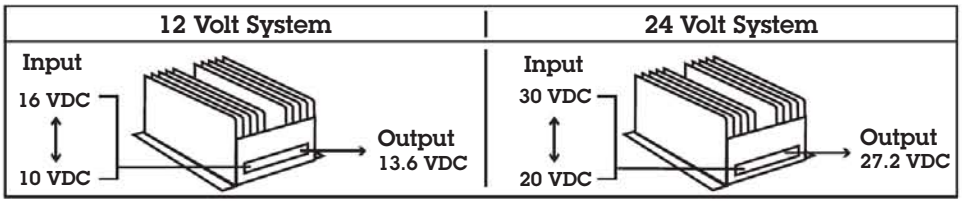
Application benefits include:

- Operate electronics at optimal input voltage, even from nearly drained batteries
- Boost voltage to compensate for voltage drops in long wire runs from batteries
- Eliminate voltage drops during momentary high current drain from batteries, as during engine start
- Eliminate voltage fluctuation from charge sources
- Eliminate voltage overshoot due to sudden removal of high current load



Options/Factory Modifications

- Operation as a battery charger
- Parallel/redundant operation
- High vibration mounting kit
- Non-standard output voltage

Model	Input voltage	Output voltage	Output Amps Intermittent	Case Size (H x W x D) Inches	Case Size (H x W x D) Centimeters	Weight Lbs.	Weight Kg.
12-12-3I	10-16	13.6	3	3.5 x 3.5 x 1.75	8.9 x 8.9 x 4.5	1	.45
12-12-6I	10-16	13.6	6	3.5 x 3.5 x 1.75	8.9 x 8.9 x 4.5	1	.45
12-12-12I	10-16*	13.6	12	4.25 x 5.9 x 14.0	10.8 x 15.0 x 35.6	6	2.7
12-12-35I	10-16*	13.6	35	6.0 x 6.8 x 16.5	15.2 x 17.3 x 41.9	12	5.5
24-24-3I	20-32	27.2	3	6.0 x 6.8 x 16.5	15.2 x 17.3 x 41.9	12	5.5
24-24-7I	20-32	27.2	7	7.0 x 3.5 x 1.75	7.0 x 3.5 x 1.75	2	.9
48-24-9I	20-56	24.5	9	4.25 x 5.9 x 14.0	10.8 x 15.0 x 35.6	8	3.6
48-24-18I	20-56	24.5	18	6.0 x 6.8 x 16.5	15.2 x 17.3 x 41.9	12	5.5

**11.5 VDC minimum start-up voltage, then operates @ 10-16 VDC from 1 amp minimum to full load*

Noise Filters

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Features

- Heavy duty construction
- Operate on 6-48 VDC systems
- Integral mounting flanges for secure installation, except model IF-16 which is secured in place by tie-wrap
- Nickel-plated brass stud connectors on alternator filter (model: 150A) accommodate high current cables and terminals
- Color coded wire leads on all other models make in-line installation easy

Models

150A Alternator filter, 150 amps
PC-10 Affected equipment inductor/capacitor, filters "+" and "–" leads, 10 amps
PC-25 Affected equipment inductor/capacitor, filters "+" and "–" leads, 25 amps

Vehicle Power Distribution

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Vehicle Power Distribution System

The Power Distribution System simplifies wiring of electronic accessories in Police and Specialty Vehicles. Offering a quick and easy way to connect, protect and power all add-on electronics including lights, radios, and MDTs; provides flexible priority assignment of circuits to 'always' hot, timed, or ignition activated. Each circuit is fuse protected with LED warning light which identifies the blown fuse position simplifying troubleshooting.

Features

- Provides up to 30 Circuits to Power Radios, Emergency Lights, Siren, Video, MDT, Radar, and More!
- Allows Circuit configuration based on application priority: Timed (12 ea), Battery Hot (8 ea), and Ignition (10 ea), 100 amps maximum total
- One high power, 40 amp output
- No More Dead Batteries - Programmable Timer (2 min – 13 hours) automatically disconnects radios/computers after programmed interval once ignition is turned off.
- Intelligent blown fuse sensor illuminates LED identifying which fuse needs replacement
- Low Voltage Automatic Disconnect - shuts off powered equipment when battery drops below 10 Volts, preventing extreme discharge
- Modular plug in connectors makes installation easy with clean wiring appearance
- Compact size fits almost anywhere: In trunk, under seats, under console 11"L x 5"W x 2"H
- Portable - can be moved to next vehicle.
- Accepts standard ATC type fuses
- Model: PDS

Low Voltage Disconnects

Prevent extreme battery discharge by disconnecting load when critical low voltage is sensed, eliminating long recharge time and potential damage to powered equipment.

The unit continually monitors battery voltage and if it falls below a preset voltage threshold, the load is automatically disconnected. When batteries are recharged past another pre-set voltage the load is reconnected. Connect and disconnect points are user adjustable.

Models: LVD 12-30, LVD 12-75

Dimensions (mounted vertically): 5.25" H x 5.25" W x 3.5" D
Weight: 1 Lb.

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Battery Isolators & Integrators

Battery Isolators

These heavy duty isolators allow charging multiple batteries automatically from one or two alternators, and prevent discharge or "dumping" of one battery into another.

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Features:

- Heavy duty construction
- Rust-proof anodized aluminum case
- Rated for systems up to 48
- Stainless steel mounting hardware provided volts DC, negative ground
- Protective covers provided for terminals

Performance Specifications

Operating temperature: -40 to +80° C
Duty cycle: Continuous rating to 50° C
Derate linearly to 70% @ 80° C
Temp. rise: 95° C at full rated current (mount vertically for optimum cooling)
Voltage drop: 0.7V @ 50% load
0.9V @ full load
Note: These battery isolators are not compatible with self exciting alternators. Please consult the manufacturer of your alternator if you are unsure of your configuration.

Model	Alternator Sources	Battery Bank	Max Amps Input Capacity	Weight		Dimensions inches			Dimensions cm		
				Lbs	Kg	L	W	H	L	W	H
1-2-70	1	2	70	2	.9	3.25	4.5	3.1	8.3	11.4	7.9
1-3-70	1	3	70	2	.9	3.25	4.5	3.1	8.3	11.4	7.9
2-3-70	2	3	70	4	1.8	6.5	4.5	3.1	16.5	11.4	7.9
1-2-120	1	2	120	3	1.4	6.5	4.5	3.1	16.5	11.4	8.0
1-3-120	1	3	120	3	1.4	6.5	4.5	3.1	16.5	11.4	8.0
2-3-120	2	3	120	5	2.3	12.5	4.5	3.1	30.5	11.4	7.9
1-3-165	1	3	165	5	2.3	9	4.5	3.1	22.9	11.4	8.0

Application Note: Battery Isolators may also be used to facilitate N+1 parallel/redundant operation of power supplies. Contact factory.

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Battery Integrator

Charging multiple battery banks without use of diode isolators dictates that the batteries be connected or "integrated" only whenever a charge voltage is present so that they may be charged simultaneously, then disconnected or "isolated" when in use to allow for selective discharge and avoid having the secondary or standby battery drain into the primary battery.

Battery Integrators perform this function automatically, acting as a "smart" switch to connect independent battery banks only when a charging voltage is present. Otherwise, they are isolated, and discharge between banks is prevented.

Features

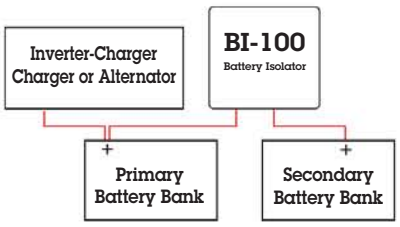
- Enables charging of two separate banks without voltage drop, yet maintains 100% isolation at all other times. For systems of three banks or more, an additional unit must be installed for each additional bank
- Heavy duty silver-plated contactor, continuous duty rated
- Voltage sense circuit, epoxy encapsulated
- 12 volt, 100 amp model has ignition protection rating
- Easy three-wire hook up for two bank systems (BATT +, BATT +, GROUND)
- Terminal for optional wiring of remote light indicating when battery banks are integrated
- Optional internal connection can be wired though key starter or manual over ride switch, tying battery banks together for extra boost during engine start

The Battery Integrator is ideal for expanding the single charging output of an inverter-charger to maintain both the house bank and an engine start bank, then to isolate them during inverter function, so current is drawn from the house bank only.

Specifications

Models: BI-100; BI-200; BI-24-100
Battery Integration Connect Point:
13.2 VDC (approx.)/
26.4 VDC (approx.)
Battery Disconnect Point:
12.8 VDC (approx.)/
25.6 VDC (approx.)
Maximum Continuous Current:
100 amps (100A models)
200 amps (200A model)
Peak Maximum Current:
400 amps (100A models)
600 amps (200A model)
Operating Temperature:
Control: -40 to +85° C
Solenoid: -28 to +48° C
Terminals: Battery Connections: 5/16" copper alloy stud
Dimensions (H x W x D):
3" x 3.25" x 2.5" (100A models)
4.125" x 3.9" x 4" (200A models)
Weight: 1 lb.
Approvals: CE Marked

Typical Installation



Stock Electrical Panels

Specify Amperage Values and Labeling and We'll Assemble to Your Specifications.

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ACCY-IIX
AC or DC, 3 Circuit
5.25" x 3.75"

ACCY-IX
AC or DC, 8 Circuit
5.25" x 7.50"

AC-IX
AC Master + 5 Circuit
5.25" x 7.50"

AC-II
AC Master
5.25" x 3.75"

ES-6
DC Master
+ 10 Circuit
3.25" x 15"

ES-7
AC or DC
Master + 16
Circuit
3.25" x 15"

ES-3
AC Master
+ 6 Circuit,
16 DC Circuit
13.7" x 10"

AC Master
+ 8 Circuit

ES-4
17" x 12"

22 DC Circuit

2 AC Load Groups +
10 Circuit, Dual Shore
Power Selector Switch

ES-5
20" x 15"

DC Master +
13 Circuit

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DC Power Onboard – Emergency & Specialty Vehicles

Custom Electrical Panels

Send Us Your Sketch, And We'll Do The Rest…

Get electrical panels to match your precise requirements using Newmar's custom panel design, fabrication, assembly and wiring services. We make it easy for you, assisting with layout and component selection, producing CAD drawings for approval and quick turn around on finished product.

- UL listed components.
- Any size/shape panel face
- Totally custom graphics, lettering, logos or language
- Custom colors
- Circuit breakers/switches/fuses
- Indicator lights, audio alarms
- Digital or analog meters/instrumentation.
- AC–DC
- Back lighting
- Fully Assembled, partially loaded, or panel blank
- Pre-wired, ready for installation

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AC Meters

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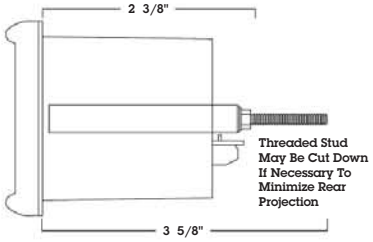
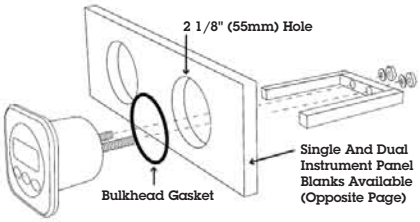
ACE: AC Energy Meter

The ACE provides accurate digital metering for AC Volts, Amps, Frequency and Kilowatts.

- For 115/230 volt systems
- Reads: 90-300 VAC (True RMS)
  0-150 Amps
  40-70 Hz. Frequency
  0-45 Kw Power Output
- Alarms circuits for high/low voltage and high/low frequency
- 12 or 24 volt source required to power meter
- Available in 2-1/2" or 4-1/4" square face





Generator/AC System Monitor

This versatile and compact (4" x 4") color LED display instrument provides simultaneous read out of generator output data: AC Voltage, Frequency, Amperage of two legs up to 36 Kw total. Programmable alarm settings on each function produces 85 db audio alert as well as visual red blinking display. In addition, the Generator Monitor logs cumulative generator operation hours with programmable service interval hour settings and notification. This is ideal for monitoring vehicle mount generator sets and meets NFPA compliance for generator Instrumentation per NFPA 1901 22.4.6.3.

Features:

- Large ½" high LED digits in high visibility green
- 4 functions, all display simultaneously on one screen: Volts, Amps, Amps, Frequency
- Hour meter displays when generator is off
- Easy function and alarm programming via 4 button key pad, with on screen menu settings.
- 4 level adjustable LCD brightness settings
- Programmable alarms: HIGH/LOW for volts and frequency and HIGH alarm for amps (2 lines) Alarm modes: Red warning color visual indication, plus built in 85 db audible, with output signal for external alarm relay
- User programmable service hour interval settings and notification (password protected)
- 150 amp Current transformers (2 X) provided
- DC powered 9-33 VDC, with low power consumption sleep mode (<20 ma) to conserve vehicle batteries
- Low profile and compact display. Size: 4" x 4"
- Panel mount: 2-1/8" hole
- Waterproof instrument face
- Model: VAAFH

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DC Meters

"Smart" Remote Battery Meter: EVM-12-1 & EVM-12-2

EVM-12-1
Single Bank

EVM-12-2 Dual Bank

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The EVM series meters are ideal for monitoring and troubleshooting alternator, battery charger, and battery performance.

- Available in single and dual battery bank meter displays
- Features three color LED battery condition bar graph
  - Green = Good Battery Condition
  - Yellow = Medium Battery Condition
  - Red = Low Battery Condition
- Bright "Blue" LED AC power "ON" indicator
- Meter is ON until entering sleep mode after 48 hours of non-charging from alternator or battery charger
- Meter Size: 2.375" H x 3.9" W

DC Voltmeter: DCV

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Three battery bank digital read out for 12 and 24 volt battery systems. Includes a Hi/Low voltage alarm built in. Wires directly to batteries - no charger connection required. Push button selection of battery bank reading.

Size: 2 1/2" Square Face
2 1/8" Diameter Hole Mount
2 3/8" Rear Meter Projection

DC Energy Meter: DCE

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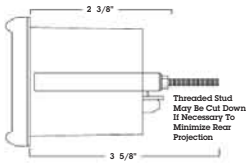
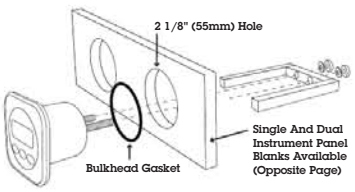
Makes DC energy management a breeze. Meter displays volts, amps, energy used and remaining for 12 or 24 volt systems up to 500 amps and up to 3,000 amp-hour capacity. Monitor voltage on up to three separate banks. House bank (or battery of your choice) may also be programmed for the following functions:

1) Monitor charge/discharge amperage
2) Total energy monitor can be set for amp-hours or percent-of-change
3) High/low voltage alarm, plus alarm set-point for low amp-hours remaining

Instrument Drawing & Mounting Option: DCV & DCE

2-1/2" model depicted: Large Scale Instruments use identical size mounting hole and hardware configuration





Kwik-Eject™ Automatic AC Cord Disconnect

Newmar battery chargers are now available with a vehicle mount AC power cord eject device made by industry leader Havis-Shields. This system provides all the features you require in a power line disconnect and charging system, all available from Newmar as a convenient single source.

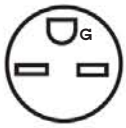
- **Heavy duty** trigger springs and a large diameter eject ram ensure quick release and 'throw' of plug and cord clear of the vehicle when engine is started.
- **No plug arc on disconnect:** On board AC Load (battery charger) is disconnected prior to eject, prevents plug blade arcing and burn-up caused by live load disconnect. No more replacing charred plugs.
- **Corrosion protection:** All parts are Sealed in a protective molded housing to prevent dirt and road salt from damaging the springs and solenoid switches.
- **Secure** retracting cover plate with weatherproof seal closes over socket aperture protecting it from the elements, road salt and dirt. Stainless steel torsion springs and roller provide years of trouble free service in the hostile emergency vehicle applications.
- **Extensive testing** assures long service. The device has been accelerated life tested over 10,000 cycles to ensure faultless service emergency vehicle applications.
- **Easy to install or retrofit:** The Kwik-Eject has the identical mounting hole pattern as other Emergency Vehicle inlets so it can be added to new trucks easily and can also be installed on existing fleet as a replacement.
- **Professional appearance retrofit:** cover plate assembly has easy to read label which listing the incoming voltage, cycles, and Amperage rating. Safety Yellow cover standard - Red or White optional.
- **Two year Warranty** begins at in-service date of vehicle.

Models: (specify cover color - red, white or yellow)
Kwik-Eject™ - 15 amp - 120 Volts (NEMA 5-15)
Kwik-Eject™ - 20 amp - 120 Volts (NEMA 5-20
Kwik-Eject™ - 15 amp - 220 Volts (NEMA 6-15)

Your Choice of Colors:

Plug Configurations:

OPTIONAL CONNECTORS

120V 15A	120V 20A	220V 15A
		
NEMA # 5-15R	NEMA # 5-20R	NEMA # 6-15R

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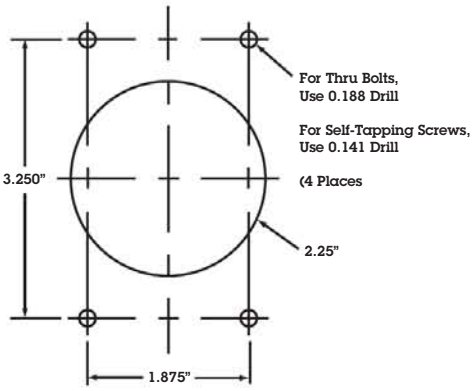
Mounting Template:



Accessories

PI-2

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Phone-Com

The Phone-Com intercom system provides direct, wired, point-to-point communication. Voice contact to any phone in the system is as easy as lifting the receiver and pressing the call button.

The PI-2 is ideal for driver-to-rear cabin communications in emergency and speciality vehicles.

Models:
PI-2: Two station phone with single call button; sold individually; 2 lbs.
PI-2 SET: Two station phone set, 40' interconnect wire, fuse, lugs, mounting hardware; 5 lbs.
PI-10: Multi-station phone with 10 call buttons, sold individually; 2 lbs.
22 AWG Wire: 5, 10 or 15 conductor; sold per foot.
BUZZER: External buzzer for use in high-noise areas, 1 lb
(Specify White or Black when ordering)

Thru-Dex PX Series Junction Boxes

- Waterproof junction box with terminal strip for electronic connections in areas subject to spray, washdowns, etc.
- Rugged, non-corrosive polypropylene housing
- "Universal" cut-to-fit cable entries, diameter range: .14-.81"
- Brass compression screw terminals
- Wire gauge: 16 AWG

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Model	Terminals
PX-1	6 pair
PX-2	12 pair
PX-3	18 pair

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Terminal Strips

- Nickel-plated brass strips on insulating base
- # 8 screw terminals; rated to 100 amps
- Order with or without insulating cover
- TS-2x4: 8 terminals
- TS-2x8: 16 terminals

Bus Bars

- Heavy duty 500 amp nickel-plated copper bus with 5/16" studs on insulating base (reinforced nylon resin) with clear protective cover
- BB-5: 5 studs * BB-8: 8 studs
- BB-2: 2 studs * BB-2/8: 2 studs plus 8 x # 8 screws

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TG-3: Temperature Meter

Latest NFPA requirements specify that air fill stations/compartments be monitored for high temperature, the TG-3 meter is ideal for the application.

Features:

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- Sensor range: -20 to 160° F (-29 to 71° C)
- 3 Zone input
- LCD Read out accurate within 1% +/-1 degree, full scale
- Five level back lighting On led display
- Programmable high/low temperature alarm- activates 85 db warning buzzer
- Programming via instrument front buttons
- Waterproof face fits in standard 2-1/8" instrument hole
- Includes 20 foot remote Temperature Sensor

NEWMAR®

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