

# Full Service AUTOMATIC BATTERY CHARGERS

## THE LEWCO F.S. CHARGER

### KEEPING BATTERIES CHARGED

THE LEWCO BATTERY CHARGERS HAVE ELECTRONICS THAT REGULATE VOLTAGE INDEPENDENTLY TO EACH BATTERY BANK. ONCE A BATTERY BANK IS CHARGED THE LEWCO CHARGER WILL SWITCH TO A FLOAT VOLTAGE. THIS KEEPS BATTERIES FROM OVER CHARGING, BUT ALSO MAINTAINS VOLTAGE AT A USEABLE LEVEL.

THE LEWCO HAS A UNIQUE MULTIPLE STAGE CHARGE. WHEN A BANK IS REACHING FULL CHARGE THE MACHINE WILL BEGIN TO PULSE THE BANK UNTIL THE OPTIMUM VOLTAGE IS REACHED. FROM THAT POINT THE MACHINE LOWERS ITS OUTPUT AND INCREASES THE PULSES. THAT INSURES THAT THE BATTERIES STAY ACTIVE WITHOUT HARMING THEM.

THE LEWCO CHARGER WILL BEGIN CHARGING A BATTERY BANK THE MOMENT THE BANK BEGINS TO GO DOWN. IF A SMALL LOAD IS ON THE BANK THE CHARGER WILL MAINTAIN THE LOAD TO KEEP THE BATTERIES UP. THE LEWCO CHARGER WILL NOT GO INTO A TIMED CYCLE EVERY TIME A BANK GOES DOWN, IT WILL BRING THE BANK UP THEN GO BACK TO MAINTAINING IT EVEN IF IT ONLY TAKES A FEW SECONDS. THIS KEEPS BANKS THAT ARE FULLY CHARGED FROM HAVING TO INDURE HIGH VOLTAGE TIMED CYCLES THAT WOULD DAMAGE CHARGED BANKS OF BATTERIES JUST BECAUSE A SMALL INTERMITTATE LOAD CAME ON.



AVAILABLE IN  
12, 24, 32, 36, VOLTS.

20 AND 40 AMP  
IN EVERY VOLTAGE.  
80 AMPS IN 12 VOLT  
ONLY

### CHARGING DIFFERENT BATTERY BANKS

THE LEWCO CHARGER WILL CHARGE DIFFERENT BATTERY TYPES AT ONE TIME IF THERE ARE GEL BATTERIES IN ONE BANK AND YOU HAVE LEAD ACID "WET CELL" BATTERIES IN ANOTHER THE LEWCO CHARGER WILL CHARGE EACH BANK, AT THE SAME TIME, COMPLETELY INDEPENDENT OF THE OTHER.

MANY TIMES THERE WILL BE A LOW BANK OF BATTERIES THAT NEED TO BE CHARGED, AND A BANK THAT NEEDS NO FURTHER CHARGING. A TYPICAL SITUATION IS ENGINE AND HOUSE BANKS. THE LEWCO CHARGER WILL MAINTAIN THE FULL BANK(S) AND CHARGE THE LOW BANK(S). THIS IS A FEATURE THAT IS CRUCIAL TO PROTECTING BATTERIES. IF NOT FOR THIS FEATURE, FULL BATTERIES WOULD BE CHARGED AT THE SAME RATE AS LOW BATTERIES, CAUSING THEM TO BE DAMAGED.



### THE LEWCO WAY

EACH LEWCO CHARGER IS AMERICAN MADE OF THE ABSOLUTE BEST QUALITY COMPONENTS AVAILABLE. HERE ARE A FEW EXAMPLES OF THESE MACHINES DURABILITY. A 24 VOLT 40 AMP CHARGER WILL HAVE A 85 AMP RECTIFIER AND 100 AMP CONTROLLERS. A TYPICAL ON OFF SWITCH IS REPLACED BY A THREE POSITION SILVER CONTACTED ROTARY SWITCH. A.C. AND D.C. BREAKERS ARE INCORPOATED INTO THE MACHINE TO PROTECT IT. HEAVY GAUGE MARINE CABLE IS USED TO WIRE THE MACHINE, AS LARGE AS #2 GAUGE, IN EVER PART OF THE MACHINE. THE TRANSFORMER IS DESIGNED FOR MARINE USE AND INCORPORATES ISOLATED PRIMARY AND SECONDARY COILS, PREVENTING ELECTROLYSIS AND ELIMINATING SHOCK ON CHARGING LINES. THE CONTROL MODULE THAT REGULATES CHARGE IS COMPLETELY SEALED IN EPOXY. EVEN WHEN A LEWCO CHARGER IS PUSHED BEYOND ITS RATING IT IS DIFICULT TO DAMAGE.



EASY INSTALLATION

MADE IN THE  
USA

## LEWCO ELECTRIC INC.

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