STRYTEN ENERGY

M-SERIES

AGM220



Stryten Energy AGM220 is an integrated valve-regulated lead-acid battery and charging system designed for 24 volt electric walkie pallet trucks with loading capacities of up to 4,500 pounds. AGM220 batteries mean reduced maintenance. Most of the expense, time and safety concerns typically associated with conventional flooded battery maintenance are reduced under normal operating conditions, including cell watering, acid equalization, acid spills, corrosion and waste treatment systems.

CLEAN APPLICATION VRLA

NO WATERING

LIGHT DUTY

THE ENERGY TO CHALLENGE

AGM220 ON-BOARD POWER SYSTEM

SYSTEM DESIGN

Stryten Energy AGM220 houses a “smart” HF charger complete with auto stop/start capabilities and four 6-volt AGM210 bloc batteries connected in series to provide a
24 volt system.

BATTERY WARRANTY

The Stryten Energy AGM220 system is warranted for 12 months. For more specific information, visit stryten.com.

AUTOMATIC ON-BOARD CHARGER

Because the on-board Delta-Q charger used with the Stryten Energy AGM220 is fully automatic, operator guesswork is eliminated. Unlike other chargers, this charger uses the precise “I-E-I” charge profile to correctly determine the proper recharge time required. Charging begins with a constant 25 amp start rate until the batteries reach the appropriate gassing voltage. At this point, the charge adjusts to a constant voltage stage to minimize gassing. It finishes off with a constant current to ensure a quick and complete charge, then finally shuts down automatically when the batteries are fully recharged. International versions are available.

OPPORTUNITY CHARGING BENEFITS

With the Stryten Energy AGM220, battery charging is simple and efficient, offering operators freedom from the charging limitations of conventional flooded batteries. Operators



can take full advantage of extended breaks or downtime between shifts to opportunity charge their AGM220, which translates into better use of operator time and increased productivity. Optimum Depth of Discharge for opportunity charging is between 30%–70%. A minimum charge time of 1/2 hour and an additional cool down period is recommended for best results. Contact your Stryten Energy sales representative for more information on appropriate procedures when incorporating opportunity charging into your battery program.

BATTERY MODEL NUMBER	VOLTS	AH CAPACITY (C/6)	LENGTH	WIDTH	HEIGHT	WEIGHT (LBS)
M90004S24MARG	24	184	26.5	7.5	26.54	365
M90004S24MARTM	24	184	25.25	8.5	24.95	365
M90004S24MARX	24	184	27.3	7.5	26.54	365

FEATURES AND BENEFITS

1. AGM210 VALVE REGULATED BATTERY

6-volt AGM210 bloc batteries reduce the hazards and mess associated with typical flooded battery maintenance and allow opportunity charging benefits, with virtually no hydrogen gassing and minimal maintenance.

2. METAL BRACKET DESIGN

Additional shock absorption to minimize both horizontal and vertical battery movement. Batteries are secured inside the tray to help prevent potential damage from vibration.

3. 11 GAUGE STEEL HOUSING

Durable, 100% powder coated tray is longer lasting under a variety of conditions than painted-steel trays.

4. AUTOMATIC START/STOP AND LED DISPLAY

Eliminates operator guesswork on required recharge time and charging status, which helps ensure safe, simple and reliable operation and helps protect against the harmful effects of over-and under-charging.

5. OPTIONAL TEMPERATURE COMPENSATION

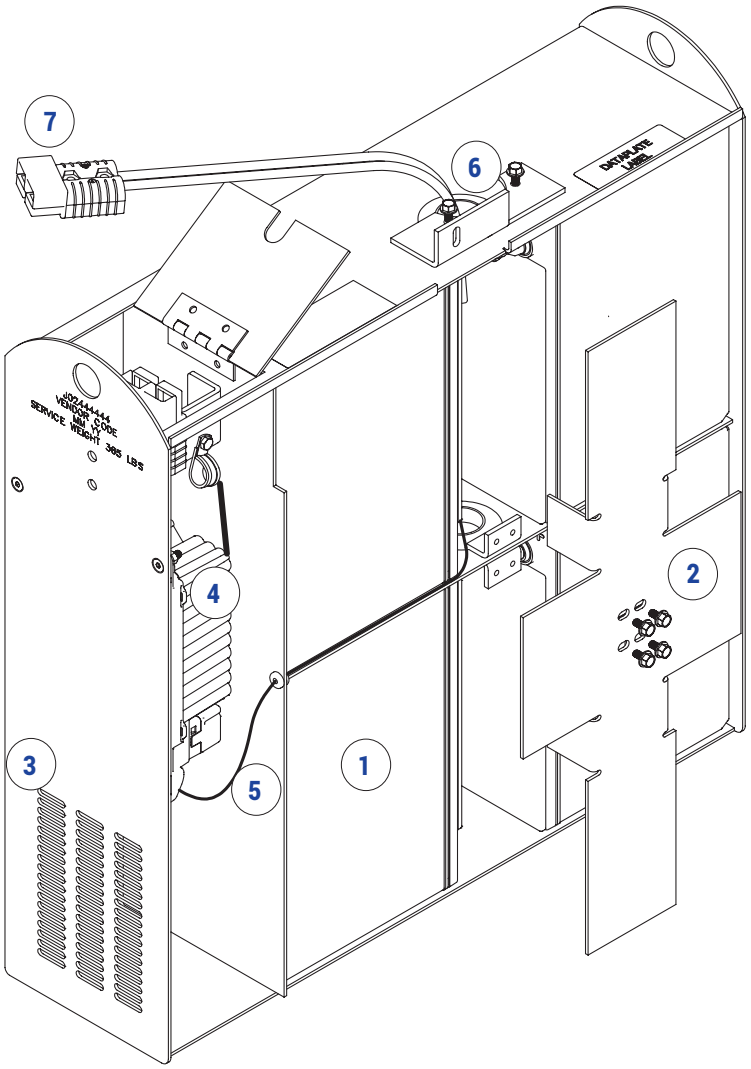
Helps to ensure that batteries are optimally charged even when they are cold or hot. To achieve precision charging, the PalletPro systems can be equipped to use temperature sensors that have specially designed charge algorithms, to compensate for fluctuating battery temperatures. This enables the PalletPro systems to adapt to different operating conditions.

6. GROMMET AROUND CABLE EXITS

Rubber grommet protects against cable chafing after daily usage, which helps ensure safer operation than with rubberless grommets.

7. SB175 CONNECTOR AND 34” LEAD LENGTH

Other connectors are available upon request.



The Energy to Challenge

Stryten Energy helps solve the world's most pressing energy challenges with a broad range of energy storage solutions and components across the Essential Power, Motive Power, Transportation, Military and Government sectors. Headquartered in Alpharetta, Georgia, we partner with some of the world's most recognized companies to meet the growing demand for reliable and sustainable energy storage capacity. Stryten powers everything from submarines to subcompacts, microgrids, warehouses, distribution centers, cars, trains and trucks. Our stored energy technologies include advanced lead, lithium and vanadium redox flow batteries, intelligent chargers and energy performance management software that keep people on the move and supply chains running.

Learn more at ***www.stryten.com***

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