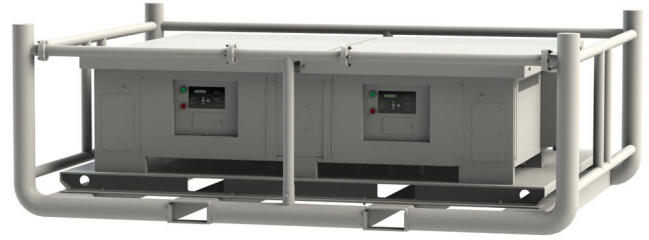


SCR Technology Mine Battery Charger



A75MD Single Circuit



A75MD2 Dual Circuit (Protective Roll Cage Optional)

The La Marche model A75MD mine battery charger product line utilizes microprocessor controlled SCR charging technology. The A75MD comes with a Vacuum Fluorescent Display (VFD) which is bright with clear contrast making them ideal for difficult lighting conditions.

This charger features automatic AC line voltage compensation, current limiting and controlled I-E-I charging cycle. The I-E-I charge cycle provides constant current start charge rate followed by constant voltage and completing with constant current finish rate. The constant current finish rate can be terminated either by DV/DT, DI/DT, voltage limit or time to assure full charge.

The rugged A75MD is specially designed for the mining market to perform reliably under severe conditions such as moisture, corrosive atmosphere and rugged handling. The unit is convection cooled utilizing a 180°C class H insulation system and powder coat paint for durable finish.

A75MD2 is a dual circuit charger that allows for charging two batteries at the same time for multiple shift operation convenience.

Standard Features

- Available in Many AC Voltage Ratings
- Microprocessor Controlled Technology
- Controlled I-E-I Charging Cycle
- VFD Display
- Automatic Start / Stop Circuitry
- Programmable Entry of Battery AH Rating
- Smart DV/DT and DI/DT Termination
- Battery Equalize Switch
- Single Control Plate (Plug & Play)
- 12 Hour Override Timer
- Doors Safety Switches
- LED Indications:
 - Charge ON
 - Charge Cycle Status
 - Charger Mode
 - Fault LED
 - Data Logging Status
- Digital Display Indicates:
 - DC Volts
 - DC Amps
 - Amp Hours Returned
 - Elapsed Time on Charge
 - Error Codes
- Operating Temperature 0° to 50°C (32° to 122° F)
- Limited 5 year Warranty

Optional Accessories

- 05D** Advanced USB Data Logging
- 21M** Manual Start & Stop Push Buttons
- 21N** External 120 VAC Power Outlet Panel (3KVA)
- 093** Tropicalization (Magnetics Only)
- 48Q** Protective Roll Cage



Model Number*	DC Output		Battery Amp- Hour Capacity 100% (8hr recharge @ High Selectable Rate)	AC Input Draw**		Case No.	Overall Dimensions W X D X H	Shipping Weight		
	Amp (Max)	Volts		480 VAC	575 VAC			lbs	kgs	
128 VDC 64 L	A75MD(2)-150-64L	153	128	850	58	48	26L	72.00" x 37.00" x 25.25" 1828.8 x 939.8 x 641.35mm	1,180	536.4
	A75MD(2)-180-64L	180	128	1000	65	54	26L	72.00" x 37.00" x 25.25" 1828.8 x 939.8 x 641.35mm	1,260	572
	A75MD(2)-210-64L	216	128	1200	70	58	26L	72.00" x 37.00" x 25.25" 1828.8 x 939.8 x 641.35mm	1,340	609.1
	A75MD-270-64L	270	128	1500	90	74	26L	72.00" x 37.00" x 25.25" 1828.8 x 939.8 x 641.35mm	1,545	702.3
	A75MD-360-64L	360	128	2000	115	95	Consult Factory			
240 VDC 120L	A75MD(2)-150-120L	153	240	850	96	80	26P	108.00" x 39.00" x 25.25" 2743.2 x 990.6 x 641.35mm	2,305	1,047.7
	A75MD(2)-180-120L	180	240	1000	111	93	26P	108.00" x 39.00" x 25.25" 2743.2 x 990.6 x 641.35mm	2,470	1,120.0
	A75MD-210-120L	216	240	1200	130	107	26P	108.00" x 39.00" x 25.25" 2743.2 x 990.6 x 641.35mm	2,610	1,186.4
	A75MD-270-120L	270	240	1500	168	130	26S	108.00" x 45.00" x 25.25" 2743.2 x 1143.0 x 641.35mm	2,980	1,354.5
320 VDC 160L	A75MD-150-160L	153	320	850	105	88	26G	42.25" x 67.25" x 28.00" 1075.2 x 1708.2 x 711.2mm	2,100	952.4
	A75MD-180-160L	180	320	1000	120	100	26G	42.25" x 67.25" x 28.00" 1075.2 x 1708.2 x 711.2mm	2,300	1,045.5

All above models designed for optimal performance at 60Hz. Consult factory for units designed specifically at 50Hz. Consult factory for availability of other DC cell range.

* Provided specifications are for single circuit A75MD chargers. For Dual Circuit chargers A75MD2 specifications, consult factory.

** AC Draws based @ 100% load.

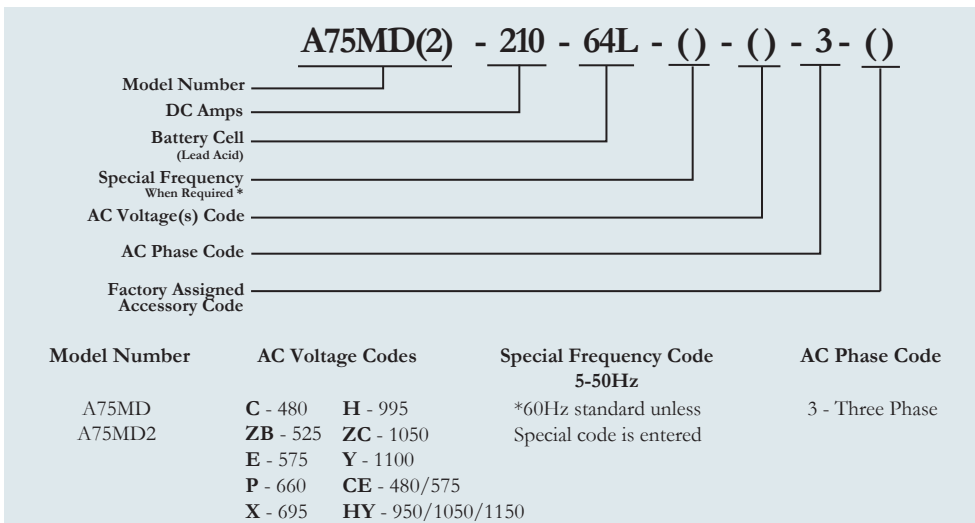
Front Panel Display



Charger Output Ratings in DC Amps

Cell	Amp Rating	Selectable Output Amp (Amp-Hours)
64, 120 or 160	150	101 (560) - 153 (850)
64, 120 or 160	180	126(700) - 180(1000)
64 or 120	210	144 (800) - 216 (1200)
64 or 120	270	216 (1200) - 270 (1500)
64	360	270 (1500) - 360 (2000)

Model Number Nomenclature



Consult factory for other voltages.

Ordering Information

When ordering, please specify:

- La Marche Model Number
- Input Voltage and Frequency
- Number and Type of Battery Cells
- Allowable Recharge Time
- Optional Accessories