

BESS ENEREXPERT

FLOOR SCRUBBER BATTERY, POWERED BY INTELLIGENT LITHIUM-ION TECHNOLOGY



Higher Performance

LFP automotive-level battery cell adapted to meet 1.5C high-power discharge; deep discharge with efficiency up to 99%.



More Cost-effective

Fast charging to ensure uninterrupted work, with up to 5000+ life cycles to save 70% of the cost compared with lead-acid.



Modular Expansion

Standard battery pack design for capacity expansion in parallel; to make the most efficient use of battery compartment space.



More Safe

A complete solution equipped with a dedicated charger, and intelligent BMS; IP65 water- and dust-proof.



Smaller & Lighter

Reduced 2/3 in size for portability with energy density 3 times greater than a lead-acid battery.



Zero Maintenance

No maintenance, no adding water, and no cleaning acid residue from cables, connections, battery tops, or equipment.

BATTERY SPECIFICATIONS

Model	FCM-2450	FCM-24100	FCM-24150	FCM-24200
System / Nominal Voltage	24V / 25.6V	24V / 25.6V	24V / 25.6V	24V / 25.6V
Available Capacity	50 Ah (1280 Wh)	100 Ah (2560 Wh)	150 Ah (3840 Wh)	200 Ah (5120Wh)
Charge Voltage (V)	28.8	28.8	28.8	28.8
EOD Voltage (V)	18.4	18.4	18.4	18.4
Recommended Charge Current (A)	20	40	60	80
Max. Charge Current (A)	50	80	100	120
Continuous Discharge current (A)	60	90	120	150
Dimensions (L*W*H)	12*6.5*7.3 inch (304*164*185 mm)	12*6.5*7.3 inch*2 parallel (304*164*185 mm)*2 parallel	12*6.5*7.3 inch*3 parallel (304*164*185 mm)*3 parallel	12*6.5*7.3 inch*4 parallel (304*164*185 mm)*4 parallel
Weight	25.4 lbs (11.5 kg)	50.8 lbs (23.0 kg)	76.2 lbs (34.5 kg)	101.6 lbs (46.0 kg)

Model	FCM-3650	FCM-36100	FCM-36150	FCM-36200
System / Nominal Voltage	36V / 38.4V	36V / 38.4V	36V / 38.4V	36V / 38.4V
Available Capacity	50 Ah (1.92 kwh)	100 Ah (3.84 kwh)	150Ah (5.76kwh)	200 Ah (7.68 kwh)
Charge Voltage (V)	43.2	43.2	43.2	43.2
EOD Voltage (V)	27.6	27.6	27.6	27.6
Recommended Charge Current (A)	25	50	75	100
Max. Charge Current (A)	50	80	120	150
Continuous Discharge current (A)	60	90	120	150
Dimensions (L*W*H)	16.5* 6.5* 7.3 inch (418 *164 *185 mm)	16.5* 6.5* 7.3 inch*2 parallel (418 *164 *185 mm)*2 parallel	16.5* 6.5* 7.3 inch *3 parallel (418 *164 *185 mm) *3 parallel	16.5* 6.5 * 7.3 inch*4 parallel (418 *164 *185 mm)*4 parallel
Weight	38.6 lbs (17.5 kg)	77.2 lbs (35.0 kg)	115.8 lbs (42.5 kg)	144.4 lbs (70.0 kg)
IP Grade	IP65			
Charge Operating Temperature	0°C-60 °C *			
Discharge Operating Temperature	-20 °C to +60 °C			
Communication	CAN-Bus			
Parallel Function	Can support max 8 pcs in parallel connection			
Cycle Life	5000 cycles **			
Relative Humidity	20%RH-80%RH (non-condensing)			
Charger	Compatible with ACE charger and approved chargers			

Model	Wire	Input Voltage(V)	Output Voltage(V)	Output Current(A)
FCM(VC)-2420	Single	110/220	29.2	20
FCM(VC)-2440	Single	110/220	29.2	40
FCM(VC)-3625	Single	110/220	43.2	25
FCM(VC)-3650	Single	110/220	43.2	50

*with heating option -20 C~60 C

**vary with operating conditions

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