



**Volta** Power Systems

voltapowersystems.com

616-226-4222

# VOLTA POWER SYSTEMS BATTERY PACK



## KEY FEATURES

CELL CHEMISTRY	Lithium Nickel Manganese Cobalt Oxide (NMC) - Automotive Grade
SAFETY	Seven Layers including material, electronic, structural systemic safeguards
SCALABILITY	Modular in 3.4 kWh increments. Up to 8 modules per pack. Multiple packs supported.
PACK LIFE	Lasts lifetime of vehicle
AUTOMOTIVE QUALITY BMU	<ul style="list-style-type: none"> <li>• Controls</li> <li>• Balances</li> <li>• Contactor</li> <li>• Housing</li> <li>• Heated</li> <li>• Fully Protected</li> </ul>

	2 Module Case		4 Module Case		6 Module Case		8 Module Case	
Pack Sizes	3.3 kWhr FLEX	6.7 kWhr FLEX	10.1 kWhr FLEX	13.5 kWhr FLEX	16.9 kWhr FLEX	20.2 kWhr FLEX	23.6 kWhr FLEX	27 kWhr FLEX
Max Capacity (Wh)	3,370 Wh	6,740 Wh	10,109 Wh	13,479 Wh	16,849 Wh	20,220 Wh	23,589 Wh	26,958 Wh
Usable Capacity (Wh)	3,033 Wh	6,066 Wh	9,099 Wh	12,132 Wh	15,165 Wh	18,198 Wh	21,231 Wh	24,264 Wh
Max Voltage	58.2 V	58.2 V	58.2 V	58.2 V	58.2 V	58.2 V	58.2 V	58.2 V
Nominal Voltage	51.5 V	51.5 V	51.5 V	51.5 V	51.5 V	51.5 V	51.5 V	51.5 V
Max depth of discharge (DOD)	90%	90%	90%	90%	90%	90%	90%	90%
Weight (lbs)	85 lbs	130 lbs	195 lbs	234 lbs	274 lbs	313 lbs	400 lbs	440 lbs
AGM Lead Acid equivalency (Avg. Group 31)	6.2	12.3	18.5	24.7	30.8	37	43.2	49.4
100 AH LFP replacement equivalency	3.6	7.2	10.8	14.4	18.1	21.7	25.3	28.9
Dimensions (in)	11x22.5x20 in	11x22.5x20 in	11x30x20 in	11x30x20 in	11x39x20 in	11x39x20 in	11x47x20 in	11x47x20 in
Volume of space required (ft <sup>3</sup> )	2.86 ft <sup>3</sup>	2.86 ft <sup>3</sup>	3.82 ft <sup>3</sup>	3.82 ft <sup>3</sup>	4.97 ft <sup>3</sup>	4.97 ft <sup>3</sup>	5.98 ft <sup>3</sup>	5.98 ft <sup>3</sup>

Storage Temp: -20° C for 3 months

Minimum Storage Temp: -40° C

Operating Temp: -30° C to 55° C