



**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

- Controls
- Balances
- Contactor
- Housing
- Heated
- Fully Protected

	2 Module Case		4 Module Case		6 Module Case		8 Module Case	
Pack Sizes	3.3 kWhr VIP	6.7 kWhr VIP	10.1 kWhr VIP	13.5 kWhr VIP	16.9 kWhr VIP	20.2 kWhr VIP	23.6 kWhr VIP	27 kWhr VIP
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	9,099Wh	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