



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

SPECIFICATIONS

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
Max Capacity (Wh)	3,370 Wh	6,740 Wh	10,109 Wh	13,479 Wh	16,849 Wh	18,198 Wh
Usable Capacity (Wh)	3,033 Wh	6,066 Wh	9,099Wh	12,132 Wh	15,165 Wh	18,198 Wh
Max Voltage	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
Max depth of discharge (DOD)	90%	90%	90%	90%	90%	90%
Weight (lbs)	85 lbs	130 lbs	195 lbs	234 lbs	274 lbs	313 lbs
AGM Lead Acid equivalency (Avg. Group 31)	6.2	12.3	18.5	24.7	30.8	37
100 AH LFP lead acid replacement equivalency	3.6	7.2	10.8	14.4	18.1	21.7
Dimensions (in)	11x22.5x20 in	11x22.5x20 in	11x30x20 in	11x30x20 in	11x39x20 in	11x39x20 in
Volume of space required (ft ³)	2.86 ft ³	2.86 ft ³	3.82 ft ³	3.82 ft ³	4.97 ft ³	4.97 ft ³

Storage Temp: -20° C for 3 months

Minimum Storage Temp: -40° C

Operating Temp: -30° C to 55° C