

Voltway S3 V2 Pro

Overview: High-performance all-terrain variant with advanced electronics.

Bill of Materials:

Part ID	Part Name	Qty	Notes
P320	S3 V2 750W Brushless Motor	1	
P321	S3 V2 Li-Po 48V 12Ah Battery Pack	1	
P322	S3 V2 Digital Controller ZP	1	
P323	S3 V2 Carbon Fiber Frame	1	Reinforced down-tube
P329	OLED Dashboard Display	1	
P330	12-inch Alloy Wheel	2	Front & Rear
P331	Hydraulic Disc Brake	1	180 mm rotor
P332	Advanced LED Headlight with DRL	1	
P333	Fast Charger 42V 2A	1	2.0 A
P334	Power Cable	1	
P335	Comfort Seat	1	Optional
P336	Rear Fender	1	
P337	Hex Nut	12	M6
P338	Lock Washer	12	M6

Assembly Requirements:

- Torque motor mounting bolts to **42 Nm**.
- Run full temperature-cycling test (-10 °C → 60 °C).
- Update Digital Controller ZP firmware to v4.1.
- Validate hydraulic brake fluid pressure at 1.6 bar.

End of Specifications