Amflow’s latest e-bikes with Avinox motors raise the bar again

Amflow, the e-bike brand spun out of DJI, is back with two impressive electric mountain bike ranges built around its incredibly dense Avinox motors. The e-MTBs aim to break the traditional tradeoff between power, range, and weight.

Even better, if Amflow’s bikes don’t appeal to you then over 60 other e-bike makers have adopted Avinox drive systems, including Canyon, Mondraker, and Pivot. That should give you ample choice and puts competitors like Bosch firmly on notice.

The flagship Amflow PX (weighing around 20kg / 44lbs) and the Amflow PR (weighing around 22kg / 49lbs) are powered by Avinox’s new M2S and M2 drive systems, delivering up to 1,500W of peak power and up to 150Nm of torque — enough to easily snap chains and shred gear teeth if not managed properly.

The carbon fiber frames offer an impressive 40 potential geometric combinations, allowing riders to extensively tune the bike to their exact riding style and terrain. The Amflow PR features an 800Wh removable battery that can be swapped out for a new one on long rides. Otherwise it’ll fast charge from 0 to 80 percent in about 1.5 hours. A 600Wh battery option can be mounted onto the bike frame for a dual-battery setup.

On the software side, you get onboard turn-by-turn directions on an integrated 2-inch, OLED touchscreen and Apple Find My integration (only on the PR models). Impressively, it also offers heart rate control: riders can pair a heart rate monitor to the bikes, and the motor will automatically adjust

the pedal assist to keep the rider within a specific target heart rate zone.

The top-end Amflow PX Carbon is available to purchase today in Europe and Australia, priced at $7,999 for the base model and $10,199 for the Pro. The Amflow PR Carbon won’t be available until later this year, starting at $4,999.

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