



Falcon F350
Commuter Electric Scooter



Technical Data Sheet

Model	Electisan F350 (Internal Name: ES200)
Rated / Max Power	350 Watts / 700 Watts
Max Net Power	700 Watts
Battery Cells	Panasonic NCR18650BD
Configuration	10S4P / 40 Cells / IP67
Battery Capacity	36 V / 12.8 Ah
Charger	42 V DC / 2A / 85W / UL Listing
Motor Type	Brushless direct drive hub motor
Max Speed	18 mph (28 km/h)
Hill Climbing	20%
Drive Type	Front wheel drive
Max Net Torque	22 N.m
Range	20-30 miles
Operating Temperature	-10 - 40°C
Storage Temperature	-20 - 45°C
Controller	36V / 18A / 3 Power modes / IP67
Tire Type	Solid honeycomb Core, Air less
Tire Size	10" x 2"
Braking Method	Front regenerative brake + rear drum brake
Headlight	200 Lum
Tail Light	Constant Illumination with brake flashing function
Front Shock Absorber	Spring shock-absorption
Max Payload	275 lbs / 125 kg
Net Weight	46 lbs / 21 kg
Scooter Size	1,165 mm x 500 mm x 1,180 mm
Vehicle Platform	Stand Up Scooter / Non-Folding

Test Type	Testing Standard	Reference Standard
Vehicle Drop Test	The front wheel is 30 cm off the ground and the rear wheel is 40-45 CM off the ground. A weight of 100 kg is placed in the center of the deck, free fall three times without any damage.	ASTM-F2641-08
Vehicle Hanging Test	Heavy weight (> 50kg) is lifted on both sides for 5 minutes without damage.	EN14619
Fatigue Durability Test	Speed 12 km/h, load 100 kg, every 1.5 seconds through and obstacle of (height 5 mm), single product mileage > 1000 km, without any damage.	EN14619
Static Pressure Test	Static pressure test > 1500kg load, without damage.	ASTM-F2641-08
Front Fork Static Pressure Test	Static pressure test > 1000kg load, without damage.	ASTM-F2641-08
Vehicle High and Low Temperature Test	High temperature 70-65% humidity - 72h, low temperature -20°C-72h, Vehicle can function normally.	UL2272
Vehicle Rain Test	IPX4	GB4208-2008
Vehicle Salt Spray Test	48 hours, 5% NaCl solution, no obvious rust or corrosion on the surface	GB10125-1997