

### MOTORINO XPh

The MOTORINO XPh looks fast, even when standing still, and has the handling to match its sporting appearance. The extra-wide 120/70-12 low-profile front tire mounted on a lightweight cast-alloy wheel, low center of gravity, and long wheelbase provide great stability at speed. Its extended body provides ample legroom for the tallest of riders yet is still comfortable for almost anyone because of the low overall height. The floor-mounted battery pack is user-removable so it can be charged off-bike or quickly swapped.



**Motor:** MOTORINO CCT 500W 48V brushless, Max torque: 68Nm  
**Motor Controller:** 18 MOSFETs MOTORINO CCT Sine-Wave with regenerative braking  
**Battery:** Removable 48V 20A-h sealed lead-acid. Optional: 48V 26A-h Lithium Ion (LiFePO4)  
**Charger:** 48V 3A, 120V/220V AC input, Optional Lithium: 48V 5A 120VAC input  
**Charging Time:** 7.5Hrs for Lead-Acid; 6.0Hrs for Lithium battery  
**12V Subsystem:** DC/DC Converter 48V>12V 10A (for all lighting and 12V socket)  
**Brakes:** Mechanical: front and rear hydraulic disk brakes with ABS  
 Electric: regenerative, triggered by front or rear brake actuation.  
**Suspension:** Front - twin hydraulic shock. Rear: twin adjustable-hydraulic shocks.  
**Tires:** Front: 120/70-12" tubeless, DOT-spec Rear: 3.5x10" DOT-spec  
**Wheels:** Front: 3.5x12" cast alloy, Rear: 2.15x10" steel rim with integral motor  
**Seat:** Padded, double place, 76cm (30") above ground.  
**Instruments:** Digital Speedometer/Odometer, Volt Gauge, Turn Signal, Head lights  
**Safety Equipment:** "Rear-view mirrors, horn, dual high/low beam headlights with running light, front and rear turn signals, tail light, brake light"

**Security:** Built-in vibration sensitive alarm system, steering Lock, helmet lock  
**Range:** Up to 50km with standard SLA battery; Up to 75 with LiFePO4 battery\*  
**Top Speed:** 32km/h (governed as per vehicle class regulation)

**Climbing ability:**

|            |    |    |    |     |     |
|------------|----|----|----|-----|-----|
| Load (kg)  | 60 | 75 | 90 | 105 | 120 |
| Incline(%) | 24 | 21 | 19 | 17  | 15  |

**Dimensions and weight:**

|  |              |              |             |           |           |
|--|--------------|--------------|-------------|-----------|-----------|
|  | Without Batt | 48V/20AH SLA | 48V/26AH Li | Wheelbase | Overall   |
|  | 70kg/154Lb   | 27kg/60Lb    | 14kg/31Lb   | 140cm/55" | 190cm/75" |

\*based on flat terrain and 70kg (155lb) load

