

SPECIFICATIONS

	DEFENDER 48V 2WD	DEFENDER 48V 3WD	POSITRON 60V	POSITRON ELITE 72V	POSITRON XL 72V
electric drive system	DC 48V - 24A	DC 48V - 36A	DC 60V - 45A	DC 72V - 60A	DC 72V - 65A
acc line	DC 12V	DC 12V	DC 12V	DC 12V	DC 12V
battery (Li-ion)	48V 1170Wh	48V 1170Wh	60V 1470Wh	72V 1764Wh	72V 1764Wh
charging V / A / time	54.6V 5A 4h	54.6V 5A 4h	67.2V 5A 4h	84V 5A 4h	84V 10A 2h
electric rated power	550W	850W	1300W	2160W	2340W
electric peak power	1100W	1700W	2600W	4320W	4680W
traction power (brake power)	850W	1250W	1950W	3240W	3500W
traction	2WD	3WD	3WD	3WD	3WD
motor	2x BLDC direct drive	3x BLDC direct drive	3x BLDC direct drive	3x BLDC direct drive	3x BLDC direct drive
motor controller	2x FOC 12A	3x FOC 12A	3x FOC 15A	3x FOC 20A	FOC 2x25A 1x15A
max rider's weight	250 lb (113 kg)	300 lb (136 kg)	300 lb (136 kg)	300 lb (136 kg)	350 lb (152 kg)
Vehicle weight (w/battery)	69 lb (31 kg)	80 lb (36 kg)	90 lb (41 kg)	100 lb (45 kg)	105 lb (45 kg)
frame	AL6061 - foldable	AL6061 - foldable	AL6061 - foldable	AL6061 - foldable	AL6061 - foldable
overall dimensions	L 51" x H 57" x W 26"	L 51" x H 57" x W 26"	L 51" x H 57" x W 26"	L 51" x H 57" x W 26"	L 53" x H 58" x W 27"
adjustable handlebar height	5" (12.5 cm)	5" (12.5 cm)	5" (12.5 cm)	5" (12.5 cm)	5" (12.5 cm)
deck height	11" (28 cm)	11" (28 cm)	11" (28 cm)	11" (28 cm)	11" (28 cm)
inflatable tires	front 50 psi (3.45 Bar) rear 65 psi (4.48 Bar)	front 50 psi (3.45 Bar) rear 65 psi (4.48 Bar)	front 50 psi (3.45 Bar) rear 65 psi (4.48 Bar)	front 50 psi (3.45 Bar) rear 65psi (4.48 Bar)	35psi (2.5 Bar)
phone holder	optional	optional	standard	standard	standard
gear bag	optional	optional	standard	standard	standard
emergency lights	optional - 2	optional - 3	standard - 5	standard - 7	standard - 7
LED headlight	1x 2000 lm with DRL	1x 2000 lm with DRL	2x 2000 lm with DRL	2x 2000 lm with DRL	2x 2000 lm with DRL
rear lights	single point	dual running/brake/turn	dual running/brake/turn	dual running/brake/turn	dual running/brake/turn
beep horn	yes	yes	yes	yes	yes
siren	optional	optional	3-tone police siren	3-tone police siren	3-tone police siren
RFID key	standard	standard	standard	standard	standard
rear suspension	swing arm - spring	swing arm spring/oil adjust	swing arm spring/oil adjust	swing arm spring/oil adjust	swing arm spring/oil adjust
front suspension	telescopic spring/oil damper	telescopic spring/oil damper	telescopic spring/oil damper	telescopic spring/oil damper	telescopic spring/oil damper
hydraulic disc brakes	2 rear - one lever	all wheel - 2 levers	all wheel - 2 levers	all wheel - 2 levers	all wheel - 2 levers
climbing ability (200lbs)	7% (4 deg)	12% (7 deg)	15% (9 deg)	20% (11 deg)	27% (15 deg)
* top speed (unregulated)	23 mph (37 km/h)	28 mph (45 km/h)	37 mph (60 km/k)	44 mph (70 km/h)	44mph (70 km/h)
** range mixed terrain (up to 200ls)	20 miles (32 km)	up to 20 miles (32 km)	22 miles (35 km)	up to 25 miles (40 km)	up to 25 miles (40 km)
** range on flat terrain (200lb)	25 miles (40 km)	up to 25 miles (40 km)	30 miles (48 km)	up to 35 miles (56 km)	up to 35 miles (56 km)

(*) speed and power level can be locked at any value in LCD control panel (password protected)

(**) range will vary depending on topography, tire pressure, average speed, start/stop pattern, power level setting