

LEXY A80

MID-DRIVE EBIKE SYSTEM · SPEC SHEET

80N.m @20RPMCost-effective & performance stability
eCity · eTrekking · eTrail

MAX TORQUE

80N.m

RATED / MAX POWER

250W / 500W

MOTOR WEIGHT

2.8kg

ASSIST RANGE

50-80km

SYSTEM

Product line	A80 System
Total weight	4.8kg
Assist range	50-80km
Charging time	4h
Communication	CAN
Applications	eCity / eTrekking / eTrail

COMPONENTS

Motor	A80 — 36V 250W, 80N.m (@20RPM)
Battery	BN21 — 36V 14AH, Samsung 18650 35E
HMI	DM08C + Key RM07 — TFT 1.4", BT + App
Speed sensor	S01A

MOUNTING SIZE

SIZE	A80
A	205mm
B	130mm
C	50mm
D	155mm
Recommend Chainline	50

MID MOTOR A80 — FULL SPEC

ELECTRICAL

Rated Voltage	36/48 DCV
No-load speed	120 Rpm
Rated Output Power	250W
Max Output Power	500W
Overload Capacity	10min @ 350W
Com. Protocol	CAN / UART

MECHANICAL

Weight	2.8kg
Construction	Gear drive
Assist Ratio	1-2.5
Sensor	Speed & Torque Integrated
Shaft Standard	ISIS / JIS
Color / Housing	Black / AL

ENVIRONMENTAL

Efficiency	>80%
Noise Grade	<55dB
Operating Temp.	-20 ~ 45 °C
E-Brake	YES
Light Drive	DC 12V / 6W
IP Rating	IP65
Salt Spray Test	96H

RELIABILITY & COMPLIANCE

IP65

96H Salt Spray

ROHS

CE

EN 15194

ISO 13849