



SY35E

Battery capacity

70.18 kW·h

Bucket capacity

0.12 m³

Operating weight

4300kg



Efficient work



Safe and reliable



Work longer



Environmentally friendly

- ◆ It has a large torque permanent magnet synchronous motor, electric drive + hydraulic coordinated control, fast action response, high precision, smoother operation, and high output efficiency.
- ◆ Insulation monitoring of the whole vehicle, with high-voltage interlocking, over-temperature protection, charging safety detection, IP67 level protection for high-voltage electrical components, safe construction without blind spots.
- ◆ It has a large-capacity battery, DC fast charging, a single charge of 1 hour, and a battery life of 6~8 hours.
- ◆ "0 emissions, low noise" . It has an in-vehicle Internet of Things, a new touch screen, self-diagnosis of system faults, and lower energy consumption.

Technical specifications

Specification		Main performance	
Operating weight	4300 kg	Traveling speed (high and low)	4.2/2.4 (km/h)
Bucket capacity	0.12 m ³	Gyration speed	10 r/min
Electromotor	Permanent magnet synchronization	Grade ability	58 %/30°
Weight of motor	50 kg	Ground pressure	0.038 mPa
Rated power	18 kW/2200 rpm	Bucket digging force	26.5 kN
Peak power	27 kW	Digging force of bucket bar	19.9 kN
Nominal torque	80 N·m	The main pump delivery	40 cc/r
Power battery	lithium iron phosphate	Maximum system flow	88 L/min
Reference voltage	405.72 V	Main relief valve pressure	24 mpa
Standard capacity	173 A·h	Overload working pressure	28 mpa
Battery capacity	70.18 kW·h		

Machine dimensions

Overall size(mm)	SY35E
A. Total length (during transportation)	4920
B. Total width	1720
C. Total height (during transportation)	2615
D. Width of cab	1000
E. Width of standard track shoe	300
F. Track gauge	1420
G. Min. ground clearance	295
H. Tail Swing Radius	1100
I. Grounding length of track	1670
J. Track length	2155
K. Maximum lifting height of blade	375
L. Maximum lowering depth of blade	370
M. Blade height	350

Scope of operation(mm)	SY35E
a. Maximum digging height	4865
b. Maximum unloading height	3445
c. Maximum digging depth	3115
d. Max. vertical digging depth	2640
e. Maximum digging radius	5480
f. Min. gyration radius	2475
g. Max. height at min. gyration radius	5400

