

SIGV8850

SANY Electric Terminal Tractor



1

2 kinds of power replenishment mode

Automatic charging, automatic unplugging and plugging electricity 1 time success rate >99%.
Automatic battery swapping time <3min, standardized power box.

2

Automatic driving

Full-area localization, one-step localization parking accuracy $\pm 5\text{cm}$.
No blind spot perception, vehicle longitudinal 100m, horizontal 50m, 360° full coverage.
With the ability to mix with manned vehicle channel.

3

Safe and reliable

Box-beam frame, full working condition dynamic simulation + test, strong stability;
Level 2 active safety detection + front and rear passive collision detection devices + redundant control of main and vice controllers;
High safety power battery system, PACK passed 273 safety tests.

4

Flexibility and maneuverability

8×4, all-wheel steering, small turning radius;
Support 4 kinds of movement modes: full eight, half eight, diagonal traveling and two-way traveling;
Vehicle width 2.7m, turning radius 9.5m, strong passability;
Line-controlled chassis, steady state response time <200ms.

5

Economical and efficient

Endurance: 120km;
Line-controlled composite braking system, braking energy return efficiency >10%
Level 2 active safety detection + front and rear passive collision detection devices + redundant control of main and vice controllers;
High safety power battery system, PACK passed 273 safety tests.

► Product Parameters

Technical Parameter			Configuration Parameter		
ITEM	UNIT	SIGV8850	CONFIGURATION	UNIT	SIGV8850
Model/driving type	-	8×4	Drive motor	-	LVKON DM1300
Overall dimensions	mm	15000×2700×1600	Container size	-	Double 20'、40'、45'
Wheelbase	mm	1600/5700/1600	Container placement surface - ground clearance	mm	1570 (Empty load) 1535 (Full load)
Maximum Ramp Angle	°	30	Power battery	-	LiFePO4
Self weight	t	20	Drive/Steering axle	-	QINGTE 20t/20t
Max. Traction capacity	t	75	Suspension System	-	Rubber Balance
Max. Gradeability	%	7 (Full load)	Charging time	-	20%~95%, 60min
Max. Speed	km/h	35	Collision detection	-	Collision detection
Min. Turning radius	m	9.0	Brake	-	Disc
0~30km/h accelerate time	s	< 20	Automatic charging	-	Staubli
Rated capacity	t	65	Monitor	-	2-side LED display
Wheel base	mm	2166	Charging mode	-	manual mode
Approach/Departure angle	°	6° /6°	Swapping mode	-	Top hanging/Side change
Battery capacity	km/h	210 (Swapping) 282 (Charging)			
Ground clearance	mm	230 (Full load)			
Max. control distance	m	700			

► Working Picture

