

 **LIUGONG**

# 856H-E **MAX+**

<b>BATTERY TYPE</b>	LFP
<b>RATED STORAGE ENERGY</b>	350 kWh
<b>OPERATING WEIGHT</b>	19,971 kg
<b>RATED LOAD CAPACITY</b>	5,800 kg
<b>STANDARD BUCKET SIZE</b>	3.5 m <sup>3</sup>
<b>STANDARD BREAKOUT FORCE</b>	162 kN
<b>STANDARD DUMP CLEARANCE</b>	2,977 mm



B A T T E R Y   E L E C T R I C   V E H I C L E

TOUGH WORLD. TOUGH EQUIPMENT

# 856H-E <sup>MAX+</sup> SPECIFICATIONS >>>

## POWER BATTERY

Battery Type	LFP
Rated Storage Energy	350 kWh
Nominal Voltage	580 V
System Voltage	DC24V
BMS Protection Level	IP67
Cooling Type	Intelligent temperature control, liquid cooling
Recommended Charger	240 kW
Charging Time	≤ 75 min

## DRIVE MOTOR

Peak Power	160 kW
Protection Level	IP67
Ambient Temperature	- 40 ~ 85 C
Cooling Type	Intelligent temperature control, liquid cooling
Altitude	≤ 5000 m

## HYDRAULIC MOTOR

Peak Power	160 kW
Protection Level	IP67
Ambient Temperature	- 40 ~ 85 C
Cooling Type	Intelligent temperature control, liquid cooling
Altitude	≤ 5000 m

## TRANSMISSION

Manufacturer	LiuGong
Number of Speeds, fwd / rev	2 / 1
Transmission Type	Planetary, power shift

## AXLES

Type	LiuGong dry axle
Axle Oscillation	± 9.0°
Tire Size	23.5-25 PR20

## WORKING HYDRAULICS

System	Fixed & variable dual pump confluent
Operation	Fingertip control
Work Pump	Gear pump
Work Pressure	25 MPa

## STEERING HYDRAULICS

System	Flow amplifier
Steering Pump	Piston variable pump
Steering Relief Pressure	21 MPa

## BRAKES

Service Brake Type	Full hydraulic
Service Brake Actuation	Hydraulic dry brake
Parking Brake Type	Drum
Parking Brake Actuation	Electro hydraulic control

## LOADER ARM PERFORMANCE

Operating Weight	19,971 kg
Bucket Capacity	3.5 m <sup>3</sup>
Tipping Load - Straight	16,400 kg
Tipping Load - Full Turn	14,480 kg
Raise Time	5.2 s
Dump Time	1.5 s
Float Down Time	2.3 s
Fastest Total Cycle Time	9 s
Bucket Breakout Force	162 kN
A Maximum Hinge Pin Height	4,156 mm
B Dump Clearance at Full Height Discharge	2,977 mm
C Dump Reach at Full Height Discharge	1,231 mm
D Maximum Digging Depth, Bucket Level	50.2 mm
S <sub>1</sub> Bucket Rollback at Ground Level	44.3°
S <sub>2</sub> Bucket Rollback at Carry	49°
S <sub>3</sub> Bucket Rollback at Maximum Height	56°
S <sub>4</sub> Maximum Dump Angle at Full Height	45°

## DIMENSIONS

E Ground Clearance	431 mm
G Wheelbase	3,525 mm
H Cab Height	3,500 mm
J Wheel Tread	2,280 mm
K Width Over Tires	2,880 mm
L Length with Bucket Down	8,615 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	28°
R <sub>2</sub> Turning Radius, Bucket Carry	7,209 mm
R <sub>2</sub> Turning Radius, Outside of Tire	6,625 mm
W Width Over Bucket	2,976 mm

## SERVICE CAPACITIES

Anti-freeze	45 L
Hydraulic Reservoir	230 L
Axle, Front / Rear	35 / 35 L
Transmission	30 L

