

# 25/30BC-9

Electric Counterbalance Trucks

MOVING YOU FURTHER

HYUNDAI MATERIAL HANDLING



\*Photo may include optional equipment.

 **HYUNDAI**  
MATERIAL HANDLING

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# Your satisfaction is **our priority!**

Hyundai introduces a new line of **9-series** battery forklift trucks. The newly designed four wheel counter-balance trucks provide operators increased comfort, productivity and ease of maintenance.



■ Some of the photos may include optional equipment.

### Compact forklift with proven AC technology

- Maximum performance
- Comfortable operating room
- 3.5 LCD Smart Display Monitor
- Curve Control System
- Fingertip controlled mini levers available (optional)
- Load Weight Indicator





# High Efficiency & Optimal Performance



## More efficient operating control levers (Optional)

Electronic directional control and secondary horn are mounted to the hydraulic lift lever for quick and precise maneuvering.



## Finger tip control levers (Optional)

Ergonomically designed fingertip control levers for improved operator comfort and productivity.



■ Some of the photos may include optional equipment.



## Advanced drive and lift performance with proven durability and low maintenance

The enclosed drive and pump motor with AC technology combine power, high maintenance intervals and excellent durability. The brushless AC motors offer improved efficiency and reduced maintenance cost.

Efficient, smooth running and powerful performance makes your work more productive.

**25/30BC-9**

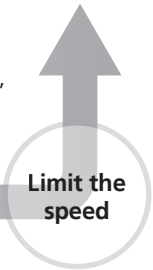


**Curve control**

Curve Control limits travel speed based on turning radius, reducing speed for a smooth, precise turning operation for the driver.



Driving Speed



■ Some of the photos may include optional equipment.



**Max.Gradeability (loaded)**

Model	%
25BC-9	20
30BC-9	18

**Max.Travel Speed (Unloaded)**

Model	mph
25BC-9	11
30BC-9	11

**Anti roll back system, travel speed and gradeability**

Anti Roll-back system offers protection against the machine rolling back on a ramp in combination with exceptional ramp start capabilities.

# Advanced **Safety**



■ Some of the photos may include optional equipment.

## **Excellent visibility for safe operation**

Optimized lift cylinder arrangement provides operator with wider visibility.



## **Panoramic mirror**

The panoramic mirror expands the driver's view when backing up.

## **Strong overhead guard**

Exceeding EEC and ANSI regulations, the overhead guard offers great protection combined with excellent all around visibility.



The safely designed driver's space makes your operating more comfortable.

**25/30BC-9**



### Fork safety features

When the forks are being lowered, a down-control valve maintains the controlled speed. The down-safety valve prevents forks from dropping down in case of sudden damage of hydraulic line.

### OPSS (Operator Presence Sensing System)

When operator is not in the seat, the hydraulic lift and tilt controls and travel are locked out.

Lift Lock

Tilt Lock

Drive Lock

■ Some of the photos may include optional equipment.



### Safety lamps & rear reflectors

LED combination lights and LED headlights provide high visibility and signaling while in operation. Rear reflectors mounted on the counterweight enhance safety for the driver and the application.

# Optimised Ergonomics & Fast and Easy Maintenance



## Spacious operator cabin

The newly designed cabin was conceived for more space, a wider field of view and operator comfort.

■ Some of the photos may include optional equipment.



## Optimized pedal position and floor mat

The position of accelerator and brake have been optimized through human engineering.



## Large entrance step

Wide and non-slip step offers convenience and safety when entering and exiting truck.



## Adjustable steering wheel

The angle of the steering column can easily be adjusted to improve operator comfort.



## Grammer Seat (STD)

Easily adjustable suspension seat, with hi-vis orange seat belt, provides great comfort, safety and durability.  
- ELR (Energy Locking Retractor) Type Seat Belt  
- Heater and Head-rest (OPT)



An ideal arrangement of components ensures easy access and convenience for maintenance.

**25/30BC-9**

### Advanced LCD Monitor



The LCD color monitor with 3.5 inch graphic smart display allows the operator to easily and efficiently control the machine. The monitor provides information about speed, steer angle & travel direction, battery discharge indicator, hour meter & working mode. The load indicator displays the load weight in the monitor. The optional indicator displays the height of fork in the monitor. The operator can select various performance modes to meet all working conditions. It is available multi-languages (maximum 11) for operator. The monitor also displays information about operation error, system fault, battery level, hour meter plus other various functions. It enables the operator to maintain the forklift in optimum operating condition.

**H** (High) mode **N** (Normal) mode **E** (Economic) mode  
**Turtle mode**



### Easy battery replacement

The battery compartment is equipped with a side battery removal assembly for easy removal and replacement.



### Brake oil reservoir with level sensor

The enhanced brake oil reservoir, located in the upper left dash, is equipped with an electronic level sensor and easily visible through the monitor.

# New 9 Series

## Mast Specification (25BC-9)

Mast Type	Maximum Fork Height		Overall Height (Lowered)		Free Lift Height						Tilt Angle		Load capacity w/o side shift	Load capacity w/side shift	Truck Weight (Unloaded)		
					With Load Backrest		Without Load Backrest		Without Load Backrest (3/4-SPOOL)		Fwd	Bwd	24 in LC	24 in LC			
	in	mm	in	mm	in	mm	in	mm	in	mm	deg	deg	lb	lb	lb	kg	
2-Stage Limited free lift	V209	82.5	2,095	60.2	1,530	4.5	115	4.5	115	4.5	115	10	6	5,000	5,000	9,489	4,304
	V300	118.3	3,005	79.2	1,985							6	10	5,000	5,000	9,608	4,358
	*V330	130.1	3,305	84.1	2,135							6	10	5,000	5,000	9,652	4,378
	V350	138.0	3,505	88.0	2,235							6	10	5,000	5,000	9,689	4,395
	V370	145.9	3,705	93.9	2,385							6	10	5,000	5,000	9,738	4,417
	V400	157.7	4,005	99.8	2,535							6	10	5,000	5,000	9,786	4,439
	V430	169.5	4,305	105.7	2,685							6	10	5,000	5,000	9,888	4,485
	V450	177.4	4,505	111.6	2,835							6	5	5,000	5,000	9,947	4,512
	V470	185.2	4,705	115.6	2,935							6	5	5,000	5,000	9,980	4,527
	V500	197.0	5,005	121.5	3,085							6	5	5,000	5,000	10,029	4,549
3-Stage full free lift	TF370	145.9	3,705	70.3	1,785	23.8	605	46.3	1,177	45.0	1,144	6	5	5,000	5,000	9,938	4,508
	TF400	157.7	4,005	74.2	1,885	27.8	705	50.3	1,277	49.0	1,244	6	5	5,000	5,000	9,985	4,529
	TF430	169.5	4,305	78.1	1,985	31.7	805	54.2	1,377	52.9	1,344	6	5	5,000	5,000	10,031	4,550
	TF450	177.4	4,505	82.1	2,085	35.6	905	58.1	1,477	58.1	1,477	6	5	5,000	5,000	10,080	4,572
	TF470	185.2	4,705	84.1	2,135	37.6	955	60.1	1,527	58.8	1,494	6	5	5,000	4,950	10,108	4,585
	TF500	197.0	5,005	88.0	2,235	41.5	1,055	64.1	1,627	62.8	1,594	6	5	5,000	4,840	10,161	4,609
	TF550	216.7	5,505	95.9	2,435	49.4	1,255	71.9	1,827	71.9	1,827	6	5	4,850	4,670	10,249	4,649
	TF600	236.4	6,005	103.7	2,635	57.3	1,455	79.8	2,027	79.8	2,027	6	5	3,470	3,300	10,417	4,725
	TF650	256.1	6,505	111.6	2,835	65.2	1,655	83.6	2,124	78.1	1,984	3	3	2,870	2,690	10,505	4,765
	TF700	275.8	7,005	119.5	3,035	73.0	1,855	91.5	2,324	86.0	2,184	3	3	2,540	2,360	10,505	4,765
	TS370	145.9	3,705	70.3	1,785	23.8	605	46.3	1,177	41.7	1,058	6	5	5,000	5,000	9,938	4,508
	TS400	157.7	4,005	74.2	1,885	27.8	705	50.3	1,277	45.6	1,158	6	5	5,000	5,000	9,985	4,529
	TS430	169.5	4,305	78.1	1,985	31.7	805	54.2	1,377	49.5	1,258	6	5	5,000	5,000	10,031	4,550
	TS450	177.4	4,505	82.1	2,085	35.6	905	58.1	1,477	55.4	1,408	6	5	5,000	5,000	10,080	4,572
	TS470	185.2	4,705	84.1	2,135	37.6	955	60.1	1,527	55.4	1,408	6	5	5,000	4,950	10,108	4,585
	TS500	197.0	5,005	88.0	2,235	41.5	1,055	64.1	1,627	59.4	1,508	6	5	5,000	4,840	10,161	4,609
	TS550	216.7	5,505	95.9	2,435	49.4	1,255	71.9	1,827	69.2	1,758	6	5	4,850	4,670	10,249	4,649
	TS600	236.4	6,005	103.7	2,635	57.3	1,455	79.8	2,027	77.1	1,958	6	5	3,470	3,300	10,417	4,725
TS650	256.1	6,505	111.6	2,835	65.2	1,655	80.2	2,038	74.7	1,898	3	3	2,870	2,690	10,505	4,765	
TS700	275.8	7,005	119.5	3,035	73.0	1,855	88.1	2,238	82.6	2,098	3	3	2,540	2,360	10,505	4,765	
4-Stage full free lift	QF610	240.7	6,115	83.5	2,120	37.0	940	59.5	1,512	57.6	1,462	3	3	3,530	3,350	10,875	4,933
	QF660	260.4	6,615	91.3	2,320	44.9	1,140	67.4	1,712	65.4	1,662	3	3	3,310	3,130	11,005	4,992
	QF700	276.2	7,015	95.3	2,420	48.8	1,240	71.3	1,812	69.4	1,762	3	3	3,090	2,910	11,074	5,023
	QF745	293.9	7,465	101.2	2,570	54.7	1,390	75.4	1,915	69.4	1,762	3	3	2,430	2,250	11,175	5,069
	QF790	311.6	7,915	107.1	2,720	60.6	1,540	75.4	1,915	69.4	1,762	3	3	1,540	1,370	11,396	5,169

※ TS-Mast : Wide Visible 3-Stage Full Free Lift Mast with 2 Free Lift Cylinders.

\* Standard

**Mast Specification (30BC-9)**

Mast Type	Maximum Fork Height		Overall Height (Lowered)		Free Lift Height						Tilt Angle		Load capacity w/o side shift	Load capacity w/side shift	Truck Weight (Unloaded)		
					With Load Backrest		Without Load Backrest		Without Load Backrest (3/4-SPOOL)		Fwd	Bwd	24 in LC	24 in LC			
	in	mm	in	mm	in	mm	in	mm	in	mm	deg	deg	lb	lb	lb	kg	
2-Stage Limited free lift	V209	82.5	2,095	60.2	1,530	4.5	115	4.5	115	4.5	115	10	6	6,000	6,000	10,622	4,818
	V300	118.3	3,005	79.2	1,985							6	10	6,000	6,000	10,761	4,881
	*V330	130.1	3,305	84.1	2,135							6	10	6,000	6,000	10,807	4,902
	V350	138.0	3,505	88.0	2,235							6	10	6,000	6,000	10,847	4,920
	V370	145.9	3,705	93.9	2,385							6	10	6,000	6,000	10,900	4,944
	V400	157.7	4,005	99.8	2,535							6	10	6,000	6,000	10,950	4,967
	V430	169.5	4,305	105.7	2,685							6	10	6,000	6,000	11,056	5,015
	V450	177.4	4,505	111.6	2,835							6	5	6,000	6,000	11,120	5,044
	V470	185.2	4,705	115.6	2,935							6	5	6,000	6,000	11,155	5,060
	V500	197.0	5,005	121.5	3,085							6	5	6,000	6,000	11,155	5,060
3-Stage full free lift	TF370	145.9	3,705	70.3	1,785	23.8	605	43.9	1,114	42.2	1,071	6	5	6,000	6,000	11,120	5,044
	TF400	157.7	4,005	74.2	1,885	27.8	705	47.8	1,214	46.1	1,171	6	5	6,000	6,000	11,166	5,065
	TF430	169.5	4,305	78.1	1,985	31.7	805	51.7	1,314	50.0	1,271	6	5	6,000	6,000	11,266	5,110
	TF450	177.4	4,505	82.1	2,085	35.6	905	55.7	1,414	55.7	1,414	6	5	6,000	5,900	11,277	5,115
	TF470	185.2	4,705	84.1	2,135	37.6	955	57.6	1,464	55.9	1,421	6	5	6,000	5,840	11,308	5,129
	TF500	197.0	5,005	88.0	2,235	41.5	1,055	61.6	1,564	59.9	1,521	6	5	6,000	5,730	11,363	5,154
	TF550	216.7	5,505	95.9	2,435	49.4	1,255	69.4	1,764	69.4	1,764	6	5	5,840	5,510	11,460	5,198
	TF600	236.4	6,005	103.7	2,635	57.3	1,455	77.3	1,964	77.3	1,964	6	5	4,240	3,910	11,638	5,279
	TF650	256.1	6,505	111.6	2,835	65.2	1,655	80.7	2,051	70.8	1,798	3	3	3,470	3,140	11,735	5,323
	TF700	275.8	7,005	119.5	3,035	73.0	1,855	88.6	2,251	78.7	1,998	3	3	3,090	2,760	11,735	5,323
	TS370	145.9	3,705	70.3	1,785	23.8	605	43.9	1,114	39.2	995	6	5	6,000	6,000	11,120	5,044
	TS400	157.7	4,005	74.2	1,885	27.8	705	47.8	1,214	43.1	1,095	6	5	6,000	6,000	11,166	5,065
	TS430	169.5	4,305	78.1	1,985	31.7	805	51.7	1,314	47.0	1,195	6	5	6,000	6,000	11,266	5,110
	TS450	177.4	4,505	82.1	2,085	35.6	905	55.7	1,414	53.0	1,345	6	5	6,000	5,900	11,277	5,115
	TS470	185.2	4,705	84.1	2,135	37.6	955	57.6	1,464	53.0	1,345	6	5	6,000	5,840	11,308	5,129
	TS500	197.0	5,005	88.0	2,235	41.5	1,055	61.6	1,564	56.9	1,445	6	5	6,000	5,730	11,363	5,154
	TS550	216.7	5,505	95.9	2,435	49.4	1,255	62.0	1,575	59.3	1,506	6	5	5,840	5,510	11,460	5,198
	TS600	236.4	6,005	103.7	2,635	57.3	1,455	69.9	1,775	67.2	1,706	6	5	4,240	3,910	11,638	5,279
TS650	256.1	6,505	111.6	2,835	65.2	1,655	85.2	2,164	72.2	1,835	3	3	3,470	3,140	11,735	5,323	
TS700	275.8	7,005	119.5	3,035	73.0	1,855	93.1	2,364	80.1	2,035	3	3	3,090	2,760	11,735	5,323	
4-Stage full free lift	QF610	240.7	6,115	83.5	2,120	37.0	940	57.0	1,449	57.0	1,449	3	3	3,860	3,530	11,945	5,418
	QF660	260.4	6,615	91.3	2,320	44.9	1,140	64.9	1,649	64.9	1,649	3	3	3,690	3,360	12,077	5,478
	QF700	276.2	7,015	95.3	2,420	48.8	1,240	68.9	1,749	68.9	1,749	3	3	3,250	2,920	12,143	5,508
	QF745	293.9	7,465	101.2	2,570	54.7	1,390	74.8	1,899	69.4	1,762	3	3	2,590	2,260	12,244	5,554
	QF790	311.6	7,915	107.1	2,720	60.6	1,540	75.4	1,915	64.1	1,628	3	3	1,600	1,270	12,465	5,654

※ TS-Mast : Wide Visible 3-Stage Full Free Lift Mast with 2 Free Lift Cylinders.

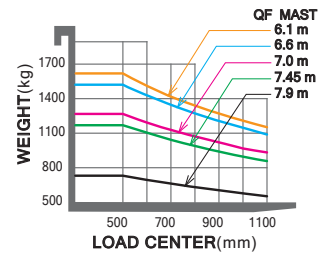
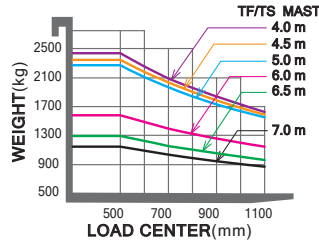
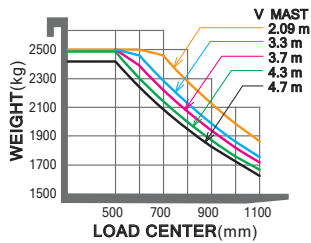
\* Standard



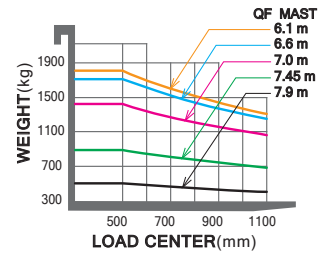
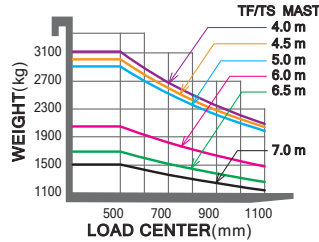
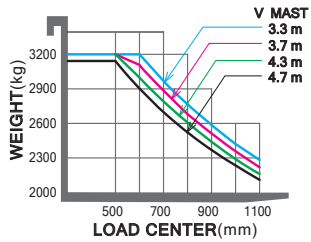
# New 9 Series

## Load Capacity

25BC-9



30BC-9



## Various Attachments

Side Shift

Hinged Fork

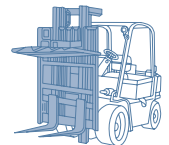
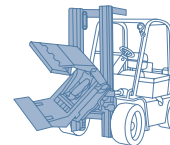
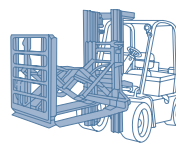
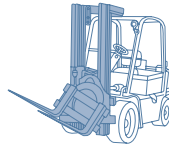
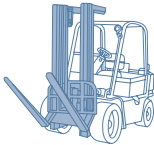
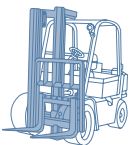
Hinged Bucket

Rotating Fork

Push Pull

Rotating Roll Clamp

Load Stabilizer



Carton Clamp

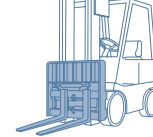
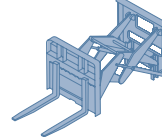
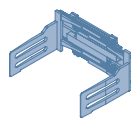
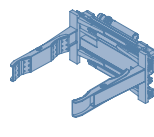
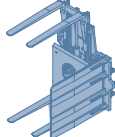
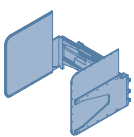
Pallet Invert

Drum Clamp

Bale Clamp

Load Extender

Fork Positioner



## Optional Items

### ·Fork(mm)

25BC-9 : 900, 1000, 1050(STD), 1200, 1350, 1500, 1650, 1800  
30BC-9 : 900, 1050(STD), 1150, 1200, 1350, 1500, 1650, 1800

### ·Hang On and Integral Side Shifters

·Tire : Lug Rubber Type(STD) /Smooth Rubber Type /  
Non-Marking (Lug or Smooth Type)

·Seat : Grammer

### ·Finger Tip Control

·Cold Storage (for -30° cold working environments)

·M.C.V : 2-Spool (STD), 3-Spool, 4-Spool

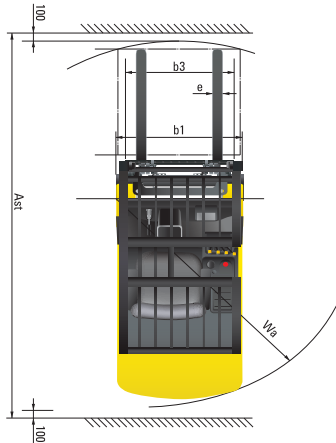
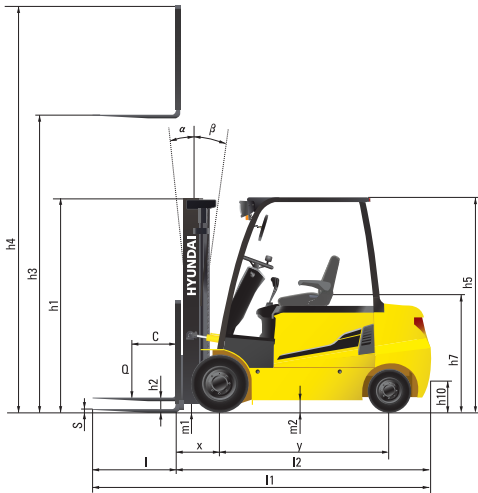
·Beacon Lamp

·Work Lamp

·UL : ES, EE

·Direction Switch on Lever

**Dimension**



**Specification**

**Identification**

		HYUNDAI	
1. 1	Manufacturer	HYUNDAI	
1. 2	Manufacturer's type designation	25BC-9	30BC-9
1. 3	Drive : electric (battery or mains) ,diesel, petrol ,fuel gas, manual	electric	electric
1. 4	Type of operation : hand, pedestrian, standing, seated, order - picker	seated	seated
1. 5	Load capacity / rated load	Q lb	6,000
1. 6	Load center distance	c inch	24
1. 8	Load distance, center of drive axle to fork	x inch	18
1. 9	Wheelbase	y inch	55

**Weights**

	lb		
2. 1	Service weight	9,733.4	10,736.5
2. 2	Axle loading, loaded front / rear	13,260.8 / 1,984	15,103.8 / 2,246.5
2. 3	Axle loading , unloaded front / rear	3,774.3 / 5,959	4,098.4 / 6,638

**Wheels, Chassis**

		V	V
3. 1	Tires : solid rubber (V), superelastic (SE), pneumatic (P), polyurethane (PE)		
3. 2	Tires size, front (ø x width)	21X7X15	21X8X15
3. 3	Tires size, rear (ø x width)	16X6X10.5	16X6X10.5
3. 5	Wheels, number front rear (x = driven wheels)	2x2	2x2
3. 6	Track width, front	inch	35
3. 7	Track width, rear	inch	35.8

**Basic Dimensions**

4. 1	Mast / fork carriage tilt forward / backward	degrees	6/8
4. 2	Lowered mast height	h1 inch	84
4. 3	Free lift height	h2 inch	4.5
4. 4	Lift height	h3 inch	130
4. 5	Extended mast height	h4 inch	176.5
4. 7	Overhead guard (cab) height	h5 inch	88
4. 8	Seat height / Standing height	h7 inch	46.7
4. 12	Coupling height	h10 inch	10.8
4. 19	Overall length	l1 inch	128
4. 20	Length to face of forks	l2 inch	86.8
4. 21	Overall width	b1 inch	43.7
4. 22	Fork dimensions	l / e / s inch	41.3x3.9x1.7
4. 23	Fork carriage ISO 2328, class / type A, B		II/A
4. 24	Fork - carriage width	b3 inch	38.5
4. 31	Ground clearance, loaded, under mast	m1 inch	3.5
4. 32	Ground clearance, centre of wheelbase	m2 inch	4.3
4. 33	Aisle width for pallets 1,000 x 1,200 crossways	Ast inch	141.6
4. 34	Aisle width for pallets 800 x 1,200 lengthways	Ast inch	149.3
4. 35	Turning radius	Wa inch	76.2
4. 36	Smallest pivot point distance	inch	-

**Performance Data**

5. 1	Travel speed, loaded/ unloaded (48V)	mph	10.5 / 11.2
	(36V)	mph	8 / 8.7
5. 2	Lift speed, loaded/ unloaded (48V)	ft/min	80.7 / 120
	(36V)	ft/min	47.2 / 80.7
5. 3	Lowering speed, loaded/unloaded	ft/min	98.4 / 88.6
5. 6	Max. drawbar pull, loaded/ unloaded S2 5min	N	14,245 / 14,276
5. 8	Max. gradient performance, loaded/ unloaded S2 5min	%	20 / 17
5. 10	Service brake		Hydraulic

**E - Motor**

6. 1	Drive motor rating S2 60 min (48V)	HP	14
6. 2	Pump motor rating at S3 15% (48V)	HP	17
6. 4	Battery voltage, nominal capacity K5 (48V)	Ah	740
6. 5	Battery weight	lb	2,491.2
6. 6	Battery compartment dimensions L / W / H	inch	39.8 / 30.4 / 24.8 (23.6*)

**Other Details**

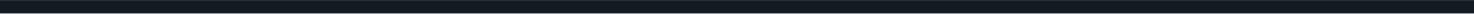
8. 1	Type of drive control		AC

\* ( ) Height of Side Loaded Battery

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# MEMO







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PLEASE CONTACT