

## Power Lifter U

### Incorporates a drive device for superior maneuverability.

- Hoisting lever for easy up-and-down motion at the flip of a switch.
- Soft up mechanism for flexible control of lifting speed.
- All models include caster covers as standard accessories.
- Built-in automatic load check valve device for improved safety.
- Large, transparent guard panel for improved safety.
- Lightweight power lifter is capable of smaller turning radius, making it ideal for work in narrow passages and on second floors.
- Just press the "Start" button for a smooth launch.
- Electric brake.
- Parking brake.

(Option) FET chopper system



Lifting height : 1500 mm

PL-U350-15

#### ■ Specifications for Self-propelled Power Lifter U

Specifications	Capacity (kg)	Min. H (mm)	Max. H (mm)	Fork (mm)				Outgoing width (mm)				Overall length (mm)	Overall height (mm)	Drive speed (mm/sec)	Minimum turning radius (mm)	Brake	Battery	Rise time (sec.)	Net weight (kg)
Model		A1	A	B	C	D	E1	E2	F	G	H								
PL-U350-15	350	80	1,500	650	350	165~330	608	392	1,335	790	1,900			0~2.4	1,100	Elect. Brake	DC12V 88AH/SHR	7~11	172
PL-U500-15	500	(95)				270~575	550	350	1,395					0~2.2	1,160	Magnetic Brake		9~12	217
PL-U850-15	650						800	400	1,560	940	1,950								237

① Minimum lifting height are shown in ( ) on the condition that the forks are put on the legs.

② Includes built-in automatic battery charger (AC200~240V).

#### ■ Specifications for Drive U

Specifications	Overall length (mm)	Overall width (mm)	Overall height (mm)	Motor	Drive wheel (mm)	Brake	Control device	Drive speed selection switch
Model								
U-150	310	415	1,170	DC12 V 150 W Rated at 20 minutes	Urethane Dia. 150 x 36	Electro-Magnetic Brake	FET Chopper System	Two Steps (High/Low)

#### ■ Specifications for Picking Power Lifter

Specifications	Capacity (kg)	Min. H (mm)	Max. H (mm)	Lifting platform dimensions (mm)				Overall length (mm)	Overall width (mm)	Overall height (mm)	Steering wheel	Load wheel Dia. x width (mm)	Battery	Parking brake
Model		A	B	C	D	F	G	H						
PPLW-D200-27	200	470	2,730	625	600	1,335	750	1,745			Urethane 130X35	Urethane 150X38	DC12V 88AH/SHR	Two Areas

Rise time (sec.)	Fall time (sec.)	Net weight (kg)
9~15	13~22	270

① Max. load mass (kg) refers to the movable load of the power lifter including the operator.

② Includes built-in automatic battery charger (AC200~240V).

③ Built-in battery charger (AC200~240V).

④ Cord length: Approx. 15 m.

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# Manual Power Lifter (Standard Type)

This time-proven standard model has been redesigned for improved **safety** and **environmental friendliness**.

- Quick-lifting device (except PL-H350-15).
- All models include caster covers as standard accessories.
- Powerful foot-operated parking brake.
- Built-in automatic load check valve device for improved safety.
- Large, transparent guard panel for improved safety.
- Manufactured using environmentally friendly polyethylene terephthalate (PET).
- Clean resin sprocket cover.
- Environmentally friendly lead-free paint.
- Compact, lightweight power lifter is capable of smaller turning radius.



## Quick-lifting device

Stepping on the quick-lifting magic pedal triples the lifting speed, increasing the work efficiency of power lifter (with no load).



Caster cover



Sprocket cover



Lifting height:1500 mm

PL-H350-15



Lifting height:1500 mm Stainless steel type

PL-H350-15SU



Lifting height:1500 mm

PL-H500-15  
PL-H650-15



Lifting height:1500 mm

PL-H 800-15  
PL-H1000-15



Lifting height:1500 mm

PL-H 800-15L  
PL-H1000-15L

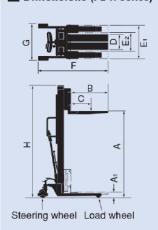
## Manual Power Lifter (Standard Type)

Specifications		Capacity	Min. H (mm)	Max. H (mm)	Fork (mm)			Outrigger width (mm)		Overall length (mm)	Overall width (mm)	Overall height (mm)	Steering wheel Dia.φ x width (mm)	Load wheel Dia.φ x width (mm)	Power source	Number of lifting times	Net weight (kg)	
					Length	Load center	Side outer width	Outer width	Inner width									E1
Model		(kg)	A1	A	B	C	D			F	G	H						
PL-H350-15	350	80 (95)	1,500	650	350	165~	530	508	392	1,175	605	1,900	Stereo 150X45 Urethane 150X38	Urethane 80X38	Manual hydraulic pump	33 Reciproca- tion times	92	
PL-H350-15SU	350					270~	530	508	392	1,170	595							
PL-H500-15	500	270~				550	350	1,230	655									138
PL-H650-15	650	270~				575	350	1,395										157
PL-H800-15	800	270~				500	500	1,510										245
PL-H800-15L	800	80 (97)	1,000	500	270~	725	700	500	1,710	855	1,950	Urethane 200X42	Urethane 80X73		117	255		
PL-H1000-15	1,000	800	400	725	500	1,510										248		
PL-H1000-15L	1,000	1,000	500	725	500	1,710										255		

⚠ Minimum lifting height are shown in ( ) on the condition that the forks are put on the legs.

⚠ Lifting times in ( ) are quick-lifting times on the condition that no loads are imposed.

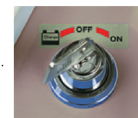
## Dimensions (PL-H Series)



# Battery-operated Power Lifter (Standard Type)

All models have been redesigned for improved **safety**, **environmental friendliness**, and **ease of maintenance**.

- Hoisting lever for easy up-and-down motion at the flip of a switch.
- Soft-up mechanism for flexible control of lifting speed.
- All models include caster covers as standard accessories.
- Built-in automatic load check valve device for improved safety.
- Large, transparent guard panel for improved safety.
- Clean resin sprocket cover.
- Integrated resin covers for component joints.
- Key switch ensures safety during lifting.
- Built-in LED indicator for easy checking of the remaining battery level.
- Battery charger for recharging at any time from a 200~240V power supply.



Key switch



Battery indicator

## Battery bracket

Movable bracket allows easy maintenance.



Lifting height:1500 mm

PL-D350-15



Lifting height:2500 mm

PLW-D500-25  
PLW-D650-25



W Type



Lifting height:1500 mm

PL-D500-15  
PL-D650-15



Lifting height:1500 mm

PL-D 800-15 (L)  
PL-D1000-15 (L)



## Soft-up mechanism (Patent pending)

A unique soft-lift valve keeps load from collapsing. This feature is useful for work requiring fine adjustments and when handling unstable loads.



## Battery charger (Built-in type)



The automatic battery charger makes it easy to recharge the lifter. An indicator displays progress. (Cord length: Approx. 2m)

## Emergency shutoff switch



'Emergency shutoff switch' is equipped for unexpected contingency.

## Battery-operated Power Lifter (Standard Type)

Specifications	Capacity (kg)	Min. H (mm)	Max. H (mm)	Fork (mm)				Outrigger width (mm)		Overall length (mm)	Overall width (mm)	Overall height (mm)	Steering wheel Dia.φ x width (mm)	Load wheel Dia.φ x width (mm)	Battery	Rise time (sec.)	Net weight (kg)
				Length	Load center	Side outer width	Inner width	E1	E2								
Model		A1	A	B	C	D				F	G	H					
PL-D350-15	350	80 (95)	2,500	650	350	165~	530	508	392	1,175	605	1,900	Stereo 150X45	Urethane 80X38	DC12V 88AH/ 5HR	11~14	195
PL-D500-15	500					270~				1,230							
PL-D650-15	650					270~				1,395							
PL-D800-15	800					270~				1,510							
PL-D800-15L	800					270~				1,710							
PL-D1000-15	1,000	80	1,950	1,000	500	270~	725	700	500	1,510	855	1,950	Urethane 200X42	Urethane 80X73	DC12V 96AH/ 5HR	14~20	315
PL-D1000-15L	1,000	(97)															

⚠ Minimum lifting height are shown in ( ) on the condition that the forks are put on the legs.

⚠ Includes built-in automatic battery charger (AC200~240V).

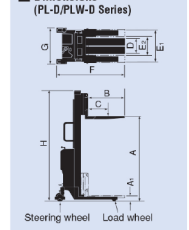
## Specifications of Battery-operated Power Lifter (Standard/W Series)

PLW-D350-25	350	80 (95)	2,500	650	350	165~	530	619	503	1,180	665	1,745	Rubber 150X45	Urethane 80X38	DC12V 88AH/5HR	11~14	195
PLW-D500-25	500					270~				1,345							
PLW-D650-25	650					270~				1,515							

⚠ Minimum lifting height are shown in ( ) on the condition that the forks are put on the legs.

⚠ Includes built-in automatic battery charger (AC200~240V).

## Dimensions (PL-D, PLW-D Series)

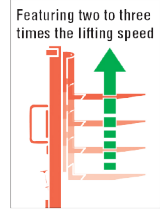




# Manual Power Lifter (Economy Type)

This economy model offers basic functionality. All models are upgraded with a quick-lifting device. Includes a well-regarded pump pedal as a standard accessory.

- Built-in automatic load check valve device for improved safety.
- Transparent guard panel ensures wide field of vision.
- Compact, lightweight power lifter is capable of smaller turning radius.
- Sprocket cover.



## (Patented) Quick-lifting device (Built-in)

Increases the lifting speed of the fork two to three times for light loads, improving the working efficiency of the power lifter. A safety feature automatically switches the lifting speed to normal when the load exceeds a certain limit.



## (Option) Pump handle

Mountable on all manual economy models.



PL-H350-15S



PL-H500-15S



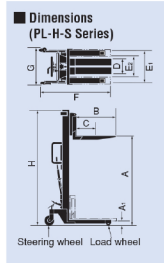
PL-H650-15S

## ■ Manual Power Lifter (Economy Type)

Specifications	Capacity (kg)	Min. H (mm)	Max. H (mm)	Fork (mm)			Outrigger width (mm)			Overall length (mm)	Overall width (mm)	Overall height (mm)	Steering wheel Dia. φ x width (mm)	Load wheel Dia. φ x width (mm)	Power source	Number of lifting times	Net weight (kg)
				Length	Load center	Side outer width	Outer width	Inner width									
Model		A1	A	B	C	D	E1	E2	F	G	H						
PL-H200-8S	200	75 (90)	850	550	300	135~470	470	356	935	530	1,200	1,550	Rubber 125X38	Urethane 75X32	Hydraulic foot pedal	16 (8)	47
PL-H200-12S			1,200													24 (12)	53
PL-H350-12S	350		1,500	650	350	165~530	510	396	1,170	575	1,600	1,900	Rubber 150X40	Urethane 80X38		55 (18)	84
PL-H350-15S		80 (95)	1,500													69 (23)	89
PL-H500-12S	500		1,200			215~575	550	400	1,180	625	1,600	1,900	Urethane 80X38	Urethane 80X38		55 (18)	96
PL-H500-15S																69 (23)	103
PL-H650-15S	650		1,500	800	400	265~575		350	1,335		1,925		Urethane 80X38	Urethane 80X38		104 (36)	125

⊕ Minimum lifting height are shown in ( ) on the condition that the forks are put on the legs.  
⊕ Economy types (PL-H350 to PL-H650) cannot be modified.

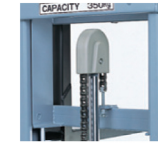
⊕ Lifting times in ( ) are quick-lifting times on the condition that no loads are imposed.



# Battery-operated Power Lifter (Economy Type)

This battery-operated economy model supports flexible physical distribution.

- Hoisting lever for easy up-and-down motion at the flip of a switch.
- Battery-operated type suitable to any workplace.
- Parking brake.
- User-friendly battery meter with three-color graduations.
- Battery charger for recharging at any time from 200~240V power supply.



Sprocket cover  
Clean, lightweight resin cover.



Lifting height:1200 mm

PL-D200-12S



Lifting height:1200 mm

PL-D350-12S  
PL-D500-12S



Lifting height:2100 mm

W Type

PLW-D250-21S  
PLW-D400-21S



Lifting height:1500 mm

PL-D350-15S



Lifting height:1500 mm

PL-D500-15S



Lifting height:1500 mm

PL-D650-15S

## Operation push button

Momentary push buttons for raising and lowering the lifter stop operation when released.



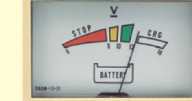
## Battery charger (Built-in type)

The automatic battery charger makes it easy to recharge the lifter. An indicator displays progress. (Cord length: Approx. 2 m)



## Battery meter

Green, yellow, and red graduations make it easy to check remaining battery level.



## ■ Battery-operated Power Lifter (Economy Type)

Specifications	Capacity (kg)	Min. H (mm)	Max. H (mm)	Fork (mm)			Outrigger width (mm)			Overall length (mm)	Overall width (mm)	Overall height (mm)	Steering wheel Dia. φ x width (mm)	Load wheel Dia. φ x width (mm)	Battery	Rise time (sec.)	Net weight (kg)
				Length	Load center	Slide outer width	Outer width	Inner width									
Model		A1	A	B	C	D	E1	E2	F	G	H						
PL-D200-12S	200	75 (90)	1,200	550	300	135~470	470	356	950	530	1,550	1,600	Rubber 125X38	Urethane 75X32	DC12V 28AH/5HR	6~8	96
PL-D350-12S	350		1,500	650	350	165~530	510	396	1,170	575	1,600	1,900	Urethane 80X38	Urethane 80X38	DC12V 88AH/5HR	6~10	100
PL-D350-15S		80 (95)	1,500													7~13	138
PL-D500-12S	500		1,200			215~575	550	400	1,180	625	1,600	1,900	Urethane 80X38	Urethane 80X38	DC12V 88AH/5HR	8~12	137
PL-D500-15S																10~14	157
PL-D650-15S	650		1,500	800	400	265~575		350	1,335		1,925		Urethane 80X38	Urethane 80X38	DC12V 88AH/5HR	9~15	178

⊕ Minimum lifting height are shown in ( ) on the condition that the forks are put on the legs.

⊕ Economy types (PL-H350 to PL-H650) cannot be modified.

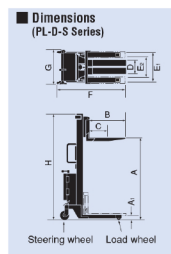
⊕ Includes built-in automatic battery charger (AC200~240V).

## ■ Specifications for Battery-operated Power Lifter (Economy/W Series)

PLW-D250-21S	250	80	2,150	650	350	165~530	510	396	1,185	575	1,615	Urethane 75X32	Urethane 80X38	DC12V 88AH/5HR	13~17	153
PLW-D400-21S	400	(95)				215~575	550	400	1,195	625		Urethane 80X38	Urethane 80X38	DC12V 88AH/5HR	14~20	178

⊕ Minimum lifting height are shown in ( ) on the condition that the forks are put on the legs.

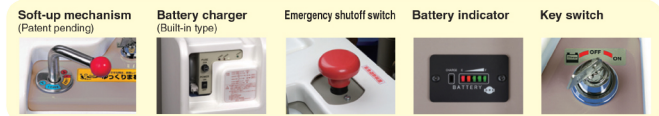
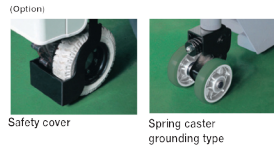
⊕ Includes built-in automatic battery charger (AC200~240V).




## Self-propelled Power Lifter SU



Cutting-edge drive device ensures mobility and power.



### Specifications for Self-propelled Power Lifter SU

Specifications		Capacity	Min. H	Max. H	Fork (mm)			Outer width (mm)				Overall length	Overall width	Overall height	Drive speed	Minimum turning radius	Brake	Rise time	Net weight	Dimensions (PL-SU Series)
Model		(kg)	A	A	B	C	D	E1	E2	F	G	H		With load	With no load			(sec.)	(kg)	
PL-SU500-15	500	80	650	350	270~	575	550	350	1,510	860						1,350	OC10	8~11	280	
PL-SU650-15	650	(95)	800	400					1,680	860				0	1	1,450		9~12	300	
PL-SU800-15	800	1,500	1,000	500	270~	725	700	500	1,730							1,680	OC10	15~19	412	
PL-SU1000-15L	990	(97)	800	400	270~	725	700	500	1,930		930	1,950		3.6	2.5	1,680	OC10	15~21	422	
PL-SU1000-15	990		800	400	270~	725	700	500	1,930							1,680	OC10	15~21	415	
PL-SU1500-14	1,500	8(18)	1,400	1,000	500	230~800	800	600	2,010	970				0~2.6	0~15	1,710		12~15	425	

① Minimum lifting height are shown in the condition that the forks are put on the legs.  
② Models marked with "double circles" are available on request.

### Specifications for Super Drive Unit

Specifications	Max. traction mass (kg)	Traction (N)	Overall length (mm)	Overall width (mm)	Overall height (mm)	Travel device	Control device	Drive speed (km/h)	Climbing ability	Drive wheel	Net weight (kg)
Model						Motor	Brake	With no load	With load		
SU25	1,000	441 (45kg-1)	435	415	1,275	DC12V/250W	Electro-magnetic brake	0~3.6	0~2.5	4"	72
SU40	1,500	686 (70kg-1)				DC12V/400W	FET chopper system	0~2.6	0~2.0		76

① A Battery or charger is not included.

## Self-propelled Power Lifter SU (W Series)

- An FET chopper system (electronically controlled continuously variable transmission) with new functionality offers flexible drive speed control for smooth operation.
- Floor-friendly no puncture tires for soft running performance.
- Compact, high-power design.
- Easy to operate. Just operate the "Run" switch for a smooth launch.
- Safety switch for worker safety.
- All models include caster covers as standard accessories.
- Large, transparent guard panel for improved safety.
- Built-in automatic load check valve device for improved safety.
- Integrated resin covers for component joints.
- Emergency stop switch.



- Safe-start function for smooth launches.
- Just operate the "Run" switch to launch the lifter and release to stop.
- Safe design automatically reduces the lifter's drive speed when lifting the load 400 mm or more from the floor.
- Powerful built-in electromagnetic brake device.
- Battery meter with three-color graduations.
- Safety switch for worker safety.
- Emergency shutoff device.



### Specifications for Self-propelled Power Lifter SU (W Series)

Specifications		Capacity	Min. H	Max. H	Fork (mm)			Outrigger wheel (mm)		Overall length	Overall width	Overall height	Drive speed	Minimum turning radius	Brake	Battery	Rise time	Net weight
Model	(kg)	A1	A	B	C	D	E1	E2	F	G	H	Max. load	Max. load	Max. load	Max. load	Max. load	Max. load	Max. load
PLW-SU400-25	400	80	650	350	270~	775	750	550	1,595	980	1,830	0~3.6	0~15	1,480	1,480	1,480	12-25	365
PLW-SU500-25	500	(95)	800	400	270~	775	750	550	1,760	980	1,830	0~3.6	0~15	1,580	1,580	1,580	12-25	400
PLW-SU650-25L	650	80	2,500	1,000	500	270~	825	800	1,760	980	1,830	0~3.6	0~15	1,580	1,580	1,580	14-20	517
PLW-SU800-25	800	(97)	800	400	270~	825	800	600	1,770	980	1,835	0~3.6	0~15	1,690	1,690	1,690	15-27	510
PLW-SU800-25L	800		800	400	270~	825	800	600	1,970	980	1,835	0~3.6	0~15	1,690	1,690	1,690	15-27	520

① Minimum lifting height are shown in the condition that the forks are put on the legs.  
② Models marked with "double circles" are available on request.

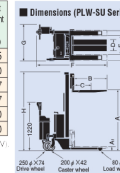
### Specifications for Self-propelled Power Lifter (PL-S Series)

Specifications		Capacity	Min. H	Max. H	Fork length			Lift capacity		Lift height		Overall width		Overall height		Drive speed (km/h)		Minimum turning radius (mm)	Brake	Battery	Rise time (sec.)	Net weight (kg)
Model	(kg)		A1	A	B	C	D	E1	E2	F	G	H	With no load	With load	With no load	With load					(kg)	
PL-S 800-15	800	80	1,500	800	400		270~725	700	500	1,685	775	1,950	High speed 22 Low speed 15	High speed 22 Low speed 15	1,550					DC130 10Ah 5P	15~19	447
PL-S1000-15	990	(97)	1,500	800	400		270~725	700	500	1,685	775	1,950	High speed 22 Low speed 15	High speed 22 Low speed 15	1,550					DC130 10Ah 5P	15~19	451
PL-SW500-25	500	80	2,500	650	350	270~725	750	550	1,520	805	1,830		High speed 24 Low speed 13	High speed 24 Low speed 13	1,400						12~15	390
PL-SW650-25	650	(95)	800	400	270~725	750	550	1,520	1,690	805	1,830		High speed 24 Low speed 13	High speed 24 Low speed 13	1,510						14~20	422

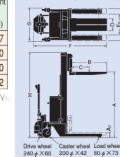
① Minimum lifting height are shown in the condition that the forks are put on the legs.

② Includes built-in automatic battery charger (AC200~240V).

### Dimensions (PLW-SU Series)



### Dimensions (PL-S Series)



## Self-propelled Power Lifter

## Power Lifter (Wide Type) Available on request

This new series of wide-type power lifter models supports 1,100 mm double pallets.

- Wide-type power lifter models are useful for stacked pallets.
- Select from three models (manual, battery-driven, and self-propelled) according to your application.
- All models include caster covers as standard accessories.
- Powerful foot-operated parking brake.
- Built-in automatic load check valve device for improved safety.
- Large, transparent guard panel for improved safety.
- Manufactured using environmentally friendly polyethylene terephthalate (PET).



① The image shown above is "PL-H200-15J".




① The image shown above is "PL-D1000-15J".

PL-D 200-15J  
PL-D 300-15J  
PL-D 400-15J

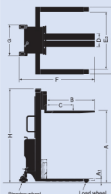


① The image shown above is "PL-SU1000-15J".

### Specifications for Manual Power Lifter (Wide Series)

Specifications		Capacity	Min. H.	Max. H.	Fork (mm)			Outer width (mm)			Overall length	Overall width	Overall height	Steering wheel	Load wheel	Power source	Number of lifting times (sec.)	Net weight	■ Dimensions
Model	(kg)	A1	A	B	C	D	Side-swing (mm)	Inner swing (mm)	Inner swing (mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(sec.)	(kg)		
PL-H200-15J	200					165~530	D16	E1	E2	F	G	H		Urethane 80X73	150X45	Manual hydraulic pump	70/118	112	
PL-H300-15J	300	80	1,500	1,000	550	270~575	1,400	1,200	1,590	1,400	1,950	1,950	Stereo	Urethane 80X73	150X45		50/185	165	
PL-H400-15J	400					270~575	1,400	1,200	1,595	1,400	1,950	1,950	Stereo	Urethane 80X73	150X45		50/185	185	

### Dimensions



### Specifications for Battery-operated Power Lifter (Wide Series)

Specifications		Capacity	Min. H	Max. H	Fork (mm)			Steer axle	Overall length	Overall width	Overall height	Steering wheel	Load wheel	Battery	Rise time	Net weight
Model	(kg)	A1	A	B	C	D	E	E2	F	G	H				(sec.)	(kg)
PL-D 200-15J	200	80	1,500	1,000	550	165~530	1,316	1,525	1,316	1,900	1,950	Stereo	150X45	IC3012	7~9	170
PL-D 300-15J	300					270~575	1,400	1,200	1,590	1,400		Urethane	80X73	88A519F	8~11	222
PL-D 400-15J	400					270~575	1,400	1,200	1,595	1,400		Urethane	200X42	150X50	9~12	242
PL-D 800-15J	800					270~725	1,370	1,710	1,370	1,710		Urethane	200X42	150X50	15~19	355
PL-D1000-15J	1,000					85	280~725	1,370	1,710	1,370		Urethane	200X42	150X50	15~19	400

Diagram illustrating the dimensions of the pallet jack:

- A: Wheel width
- B: Wheel offset
- C: Fork length
- D: Fork offset
- E: Handle length
- E2: Handle offset
- F: Handle width
- G: Handle offset
- H: Handle height

① Includes built-in automatic battery charger (AC200~240V).

### Specifications for Self-propelled Power Lifter (Wide Series)

Specifications	Capacity (kg)	Min. H (mm)	Max. H (mm)	Fork (mm)	Overall length (mm)	Overall width (mm)	Overall height (mm)	Steering wheel	Load wheel	Drive speed (km/h)	Minimum turning radius (mm)	Brake	Battery	Rise time (sec.)	Net weight (kg)
Model	(kg)	A1	A	B	C	D	E1	E2	F	G	H				
PL-SU 800-15J	800	80	1,500	1,000	550	270~725	1,370	1,200	1,960	1,370	1,950	1,500	150X50	15~19	435
PL-SU1000-15J	990	85				280~725	1,370	1,200	1,970	1,370	1,950	1,500	150X50	15~19	500

① Includes built-in automatic battery charger (AC200~240V).