



S5

ALL-IN ONE / ALL-IN-TWO / SEPARATED

LED solar street light

OUTSTANDING ADVANTAGES



Integrated Die-casting cavity, Tool-free access

The Integrated die-casting molding structure and tool-free access is of integral prevention and make it easier to install and maintain. Adjustable angle and vertical or horizontal installing available.



New generation LEDs

New generation high bright SMD, combined with integrated lens and lower current, which increased lumen flux by 10% and decreased light attenuation.



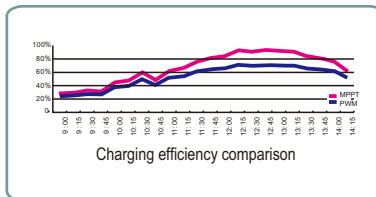
Secondary optical design

Secondary optical design, specially for solar street light, which maximally balancing uniformity and illumination, while decreasing dispersion and reducing the color reproduction.



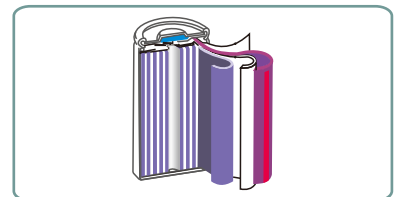
HD IR camera (optional)

1080p HD picture; Intelligent alarm, wireless WIFI, AP hotspot; 3.6mm fixed focus lens; Remote control available



MPPT charging technology (optional)

The MPPT controller maximize power of the battery board, which improves the energy utilization rate by 15% ~ 20% compared with the ordinary controller.



Battery

High Energy density A-level batteries, combined with new protection plates and temperature control protection, which are safer and of longer cycling life. Li(NiCoMn)O₂ /LiFePO₄ battery optional.



Solar panel

Top quality monocrystalline silicon wafer, while improving packaging materials and technology, upgraded light transmittance, anti-aging performance and power generation capacity.



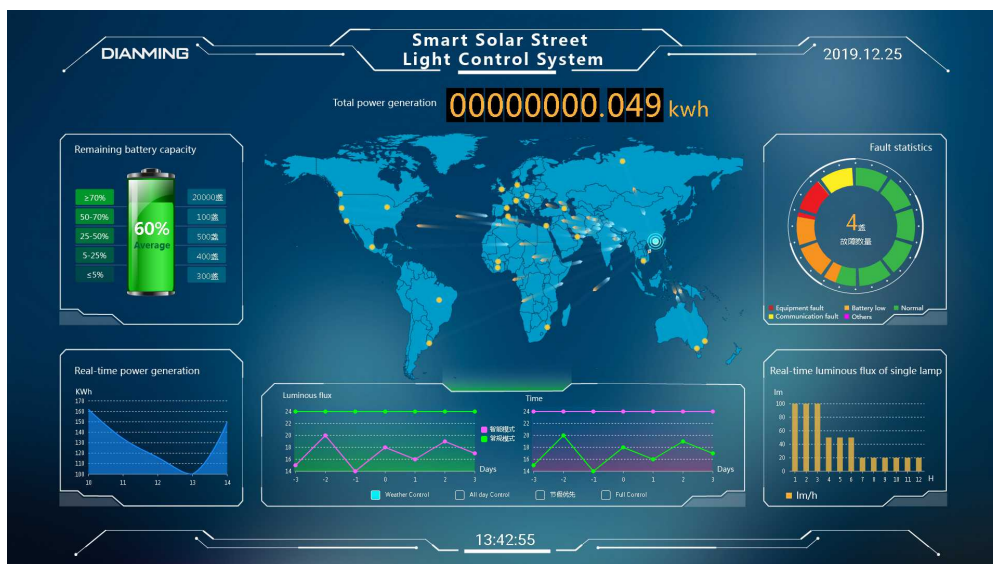
Structural strength

All-metal aluminum alloy structure, with die-casting main body, which can easily withstand 4 times of its own gravity and work properly in bad weather. The lamp surface is sprayed with powder to prevent corrosion and rust.

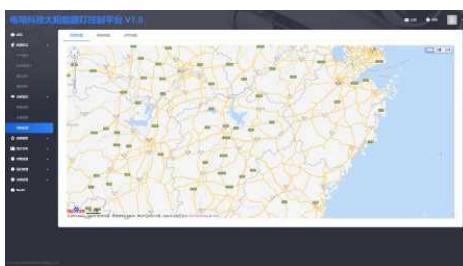


IP66

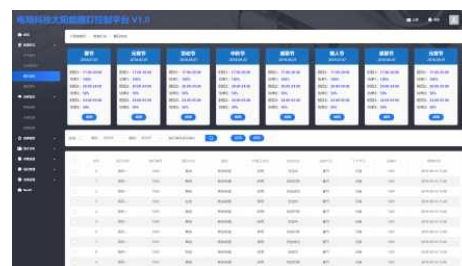
Overall waterproof design rather than glue waterproofing. Waterproof rate $\geq$ IP66.



Through IoT group management and big data collection, combined with weather forecast and future lamp usage, as well as the real-time control of lamps by intelligent algorithms, which can significantly improve system utilization efficiency and lighting quality,



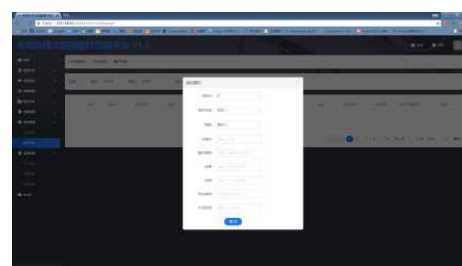
Map detection



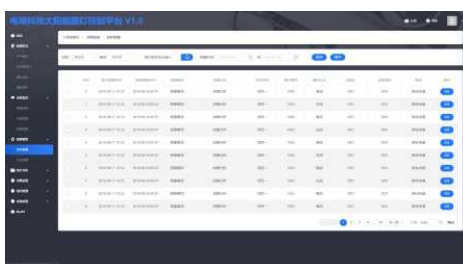
Holiday Prior



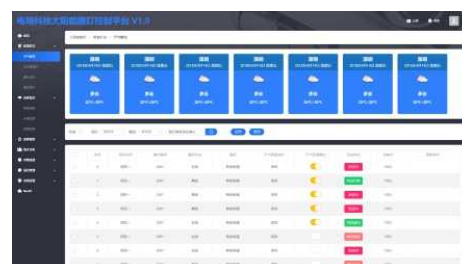
Emergency control



Street light list



Real time alarm



Weather smart control

PARAMETERS

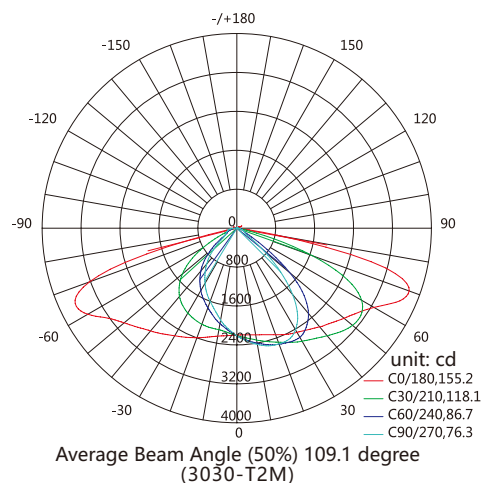
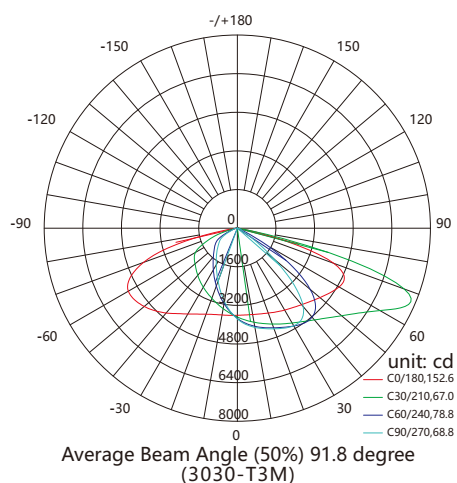
Color	Warm white	Natural white	Cool white
Color temperature	3000±300K	4000±300K	5700±300K
CRI	≥70		
Beam Angle	155°/70° (TM3) 、 155°/75° (TM2)		
Material	ADC12 , AL6063, PC		
Discharge time	12 hours /day, 3 days +4 days low brightness		
Control system	PWM/MPPT/ AC input		
Storage temperature	-20°C ~ +40°C		
Working temperature	-10°C ~ +50°C		
Battery type	Li(NiCoMn)O ₂ /26-LiFePO ₄ /32-LiFePO ₄		
Power	20~120W		
Luminous flux	2000~12000 lm		
Luminous Efficiency	100 lm/W (Bespoke≥175lm/W)		
Recommended Installing height	4~8m		
Control ways	PIR / Microwave / Time / remote		

LED PARAMETER

LED brand	Lumileds / CREE
LED size	3.0X3.0X0.52 mm
Beam Angle	120°

Power	0.3 W
CRI	≥70
LED Lumens	180~190 lm/W

LIGHT DISTRIBUTION CURVE



DMSL-S5A-XXX010

DIANMING Street Light

Power

S5A: 5th All In one

S5H: 5th Half Separate

S5F: 5th Separate

B: Basic

C: Camera

E: Extra AC Input

I: Intelligent control

ALL-IN-ONE TYPE (S5A)

Model No.	Power	Lumen Output	PV panel	Battery(Li(NiCoMn)O ₂)	Battery (26-LiFePO ₄)	Battery (32-LiFePO ₄)	LED qty
DMSL-S5A-XXX020	20W	2000 lm	35W	111 Wh	115 Wh	154 Wh	60 pcs
DMSL-S5A-XXX030	30W	3000 lm	35W	178 Wh	192 Wh	230 Wh	96 pcs
DMSL-S5A-XXX040	40W	4000 lm	43W	244 Wh	230 Wh	230 Wh	96 pcs
DMSL-S5A-XXX050	50W	5000 lm	43W	311 Wh	307 Wh	307 Wh	96 pcs
DMSL-S5A-XXX060	60W	6000 lm	64W	377 Wh	384 Wh	384 Wh	144 pcs
DMSL-S5A-XXX070	70W	7000 lm	82W	422 Wh	422 Wh	461 Wh	144 pcs
DMSL-S5A-XXX080	80W	8000 lm	86W	488 Wh	499 Wh	538 Wh	144 pcs
DMSL-S5A-XXX090	90W	9000 lm	96W	555 Wh	576 Wh	614 Wh	144 pcs
DMSL-S5A-XXX100	100W	10000 lm	106W	622 Wh	614 Wh	614 Wh	144 pcs
DMSL-S5A-XXX110	110W	11000 lm	115W	688 Wh	676 Wh	691 Wh	288 pcs
DMSL-S5A-XXX120	120W	12000 lm	130W	755 Wh	740 Wh	768 Wh	288 pcs

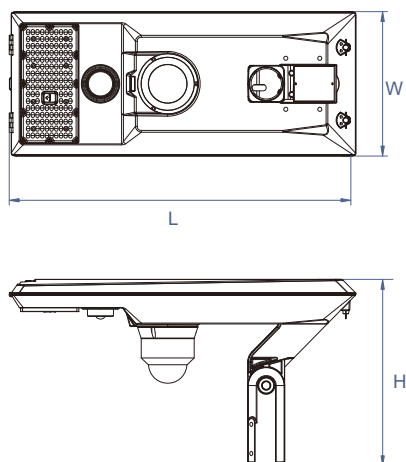
ALL-IN-TWO TYPE (S5H)

Model No.	Power	Lumen Output	PV panel	Battery(Li(NiCoMn)O ₂)	Battery (26-LiFePO ₄)	Battery (32-LiFePO ₄)	LED qty
DMSL-S5H-XXX020	20W	2000 lm	35W	111 Wh	115 Wh	154 Wh	60 pcs
DMSL-S5H-XXX030	30W	3000 lm	35W	178 Wh	192 Wh	230 Wh	96 pcs
DMSL-S5H-XXX040	40W	4000 lm	43W	244 Wh	230 Wh	230 Wh	96 pcs
DMSL-S5H-XXX050	50W	5000 lm	58W	311 Wh	307 Wh	307 Wh	96 pcs
DMSL-S5H-XXX060	60W	6000 lm	62W	377 Wh	384 Wh	384 Wh	144 pcs
DMSL-S5H-XXX070	70W	7000 lm	86W	422 Wh	422 Wh	461 Wh	144 pcs
DMSL-S5H-XXX080	80W	8000 lm	94W	488 Wh	499 Wh	538 Wh	144 pcs

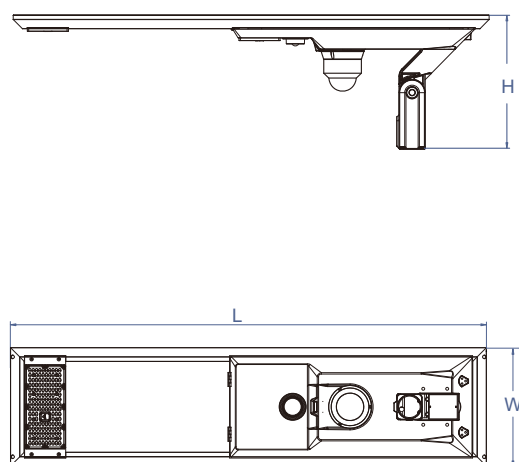
SEPARATED TYPE (S5F)

Model No.	Power	Lumen Output	PV panel	Battery(Li(NiCoMn)O ₂)	Battery (26-LiFePO ₄)	Battery (32-LiFePO ₄)	LED qty
DMSL-S5F-XXX020	20W	2000 lm	35W	111 Wh	115 Wh	154 Wh	60 pcs
DMSL-S5F-XXX030	30W	3000 lm	35W	178 Wh	192 Wh	230 Wh	96 pcs
DMSL-S5F-XXX040	40W	4000 lm	43W	244 Wh	230 Wh	230 Wh	96 pcs
DMSL-S5F-XXX050	50W	5000 lm	58W	311 Wh	307 Wh	307 Wh	96 pcs
DMSL-S5F-XXX060	60W	6000 lm	62W	377 Wh	384 Wh	384 Wh	144 pcs
DMSL-S5F-XXX070	70W	7000 lm	86W	422 Wh	422 Wh	461 Wh	144 pcs
DMSL-S5F-XXX080	80W	8000 lm	94W	488 Wh	499 Wh	538 Wh	144 pcs
DMSL-S5F-XXX090	90W	9000 lm	102W	555 Wh	576 Wh	614 Wh	144 pcs
DMSL-S5F-XXX100	100W	10000 lm	115W	622 Wh	614 Wh	614 Wh	144 pcs
DMSL-S5F-XXX110	110W	11000 lm	128W	688 Wh	676 Wh	691 Wh	144 pcs
DMSL-S5F-XXX120	120W	12000 lm	154W	755 Wh	740 Wh	768 Wh	144 pcs

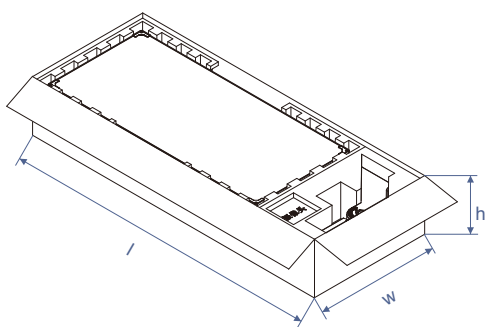
Product dimension (S5A 20w-50w)



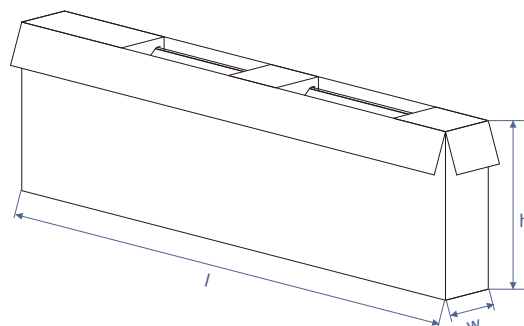
Product dimension(S5A 60w -120w)



Packaging dimension (S5A 20w - 50w)

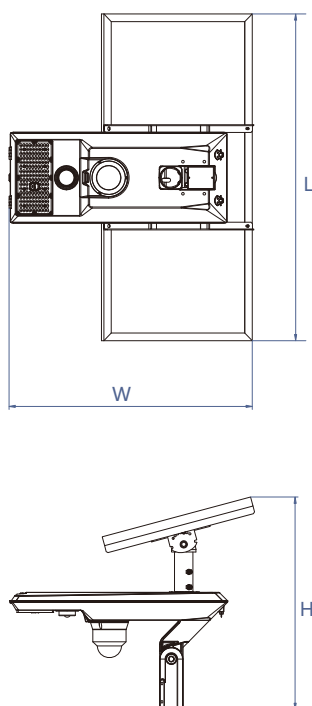


Packaging dimension(S5A 60w -120w)

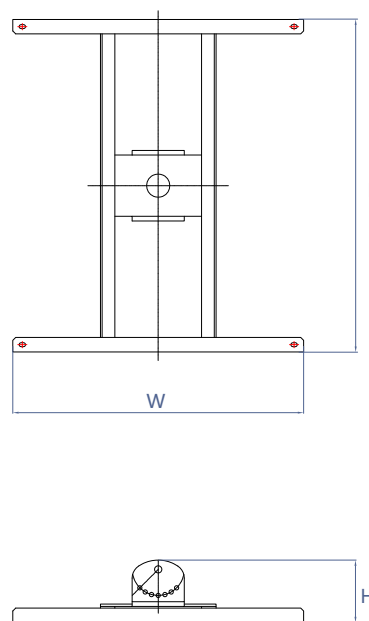


Lamp body	Power	L	W	H	Max Force Area	Packaging Dimension	G.W.
DMSL-S5A-XXX020	20W	757.5mm	342.0mm	387.0mm	0.2591m ²	1040x415x145	13.70 KG
DMSL-S5A-XXX030	30W	757.5mm	342.0mm	387.0mm	0.2591m ²	1040x415x145	14.45 KG
DMSL-S5A-XXX040	40W	757.5mm	342.0mm	387.0mm	0.2591m ²	1040x415x145	14.80 KG
DMSL-S5A-XXX050	50W	757.5mm	342.0mm	387.0mm	0.2591m ²	1040x415x145	15.00 KG
DMSL-S5A-XXX060	60W	1109.0mm	346.0mm	392.0mm	0.3836m ²	1355x155x405	22.00 KG
DMSL-S5A-XXX070	70W	1391.0mm	346.0mm	392.0mm	0.4812m ²	1635x155x405	23.00 KG
DMSL-S5A-XXX080	80W	1471.0mm	346.0mm	392.0mm	0.5089m ²	1715x155x405	24.00 KG
DMSL-S5A-XXX090	90W	1632.0mm	346.0mm	392.0mm	0.5646m ²	1875x155x405	25.58 KG
DMSL-S5A-XXX100	100W	1793.0mm	346.0mm	392.0mm	0.6203m ²	2035x155x405	27.11 KG
DMSL-S5A-XXX110	110W	1300.0mm	500.0mm	392.0mm	0.6500m ²	1555x150x555	31.11 KG
DMSL-S5A-XXX120	120W	1456.0mm	500.0mm	392.0mm	0.7280m ²	1710x150x555	35.11 KG

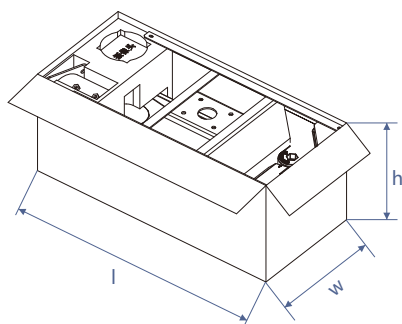
Product Dimension (S5H 20w-80w)



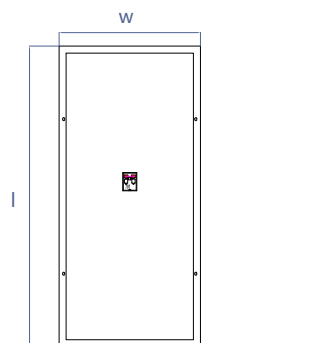
PV panel bracket dimension(S5H)



Packaging Dimension (S5H 20W-80W)

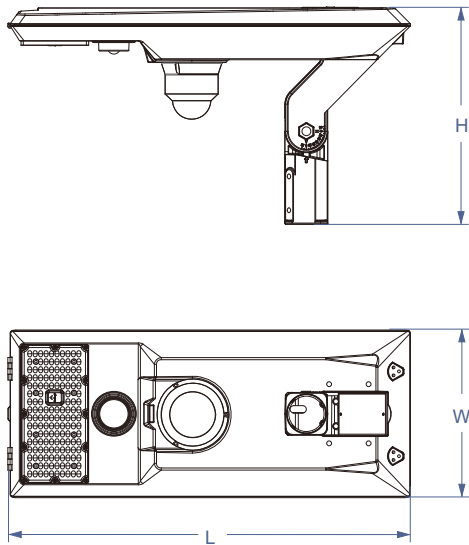


PV panel dimension (S5H)

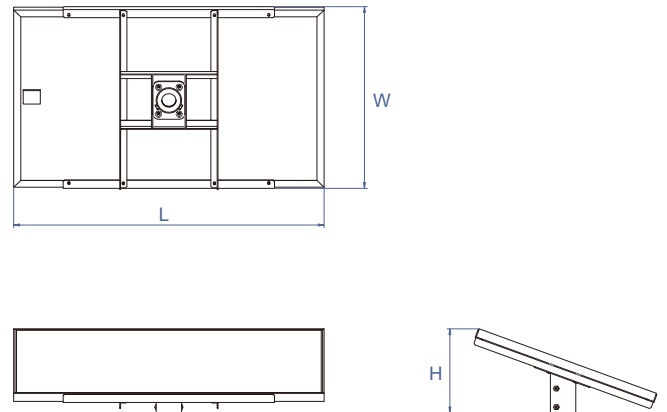


Lamp body	Power	L	W	H	Max Force Area	Packaging Dimension	G.W.
DMSL-S5H-XXX020	20W	1070mm	797mm	695mm	0.8527m ²	770x360x265	19.06 KG
DMSL-S5H-XXX030	30W	1070mm	797mm	695mm	0.8527m ²	770x360x265	19.76 KG
DMSL-S5H-XXX040	40W	1070mm	797mm	695mm	0.8527m ²	770x360x265	20.10 KG
DMSL-S5H-XXX050	50W	1070mm	797mm	695mm	0.8527m ²	770x360x265	20.80 KG
DMSL-S5H-XXX060	60W	1070mm	797mm	695mm	0.8527m ²	770x360x265	21.50 KG
DMSL-S5H-XXX070	70W	1070mm	797mm	695mm	0.8527m ²	770x360x265	21.84 KG
DMSL-S5H-XXX080	80W	1070mm	797mm	695mm	0.8527m ²	770x360x265	22.54 KG
PV panel Bracket	Power	L	W	H	/	PV panel dimension	PV panel G.W.
DMSL-S5H-XXX020	20W	503mm	350mm	108mm	/	503x426x25	2.20 KG
DMSL-S5H-XXX030	30W	503mm	350mm	108mm	/	503x426x25	2.20 KG
DMSL-S5H-XXX040	40W	503mm	350mm	108mm	/	520x503x25	2.70 KG
DMSL-S5H-XXX050	50W	503mm	350mm	108mm	/	678x503x25	3.50 KG
DMSL-S5H-XXX060	60W	550mm	503mm	108mm	/	730x503x30	3.80 KG
DMSL-S5H-XXX070	70W	550mm	503mm	108mm	/	990x503x30	5.10 KG
DMSL-S5H-XXX080	80W	550mm	503mm	108mm	/	1070x503x25	5.50 KG

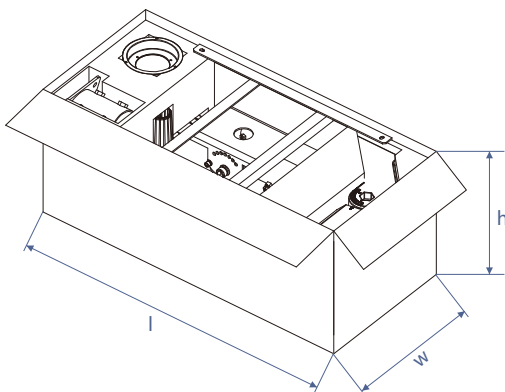
Product dimension (S5F 20w-120w)



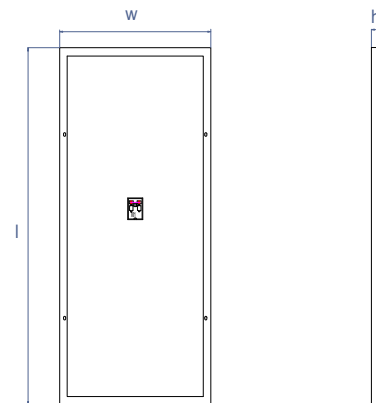
PV panel bracket dimension (S5F)



Packaging Dimension (S5F)



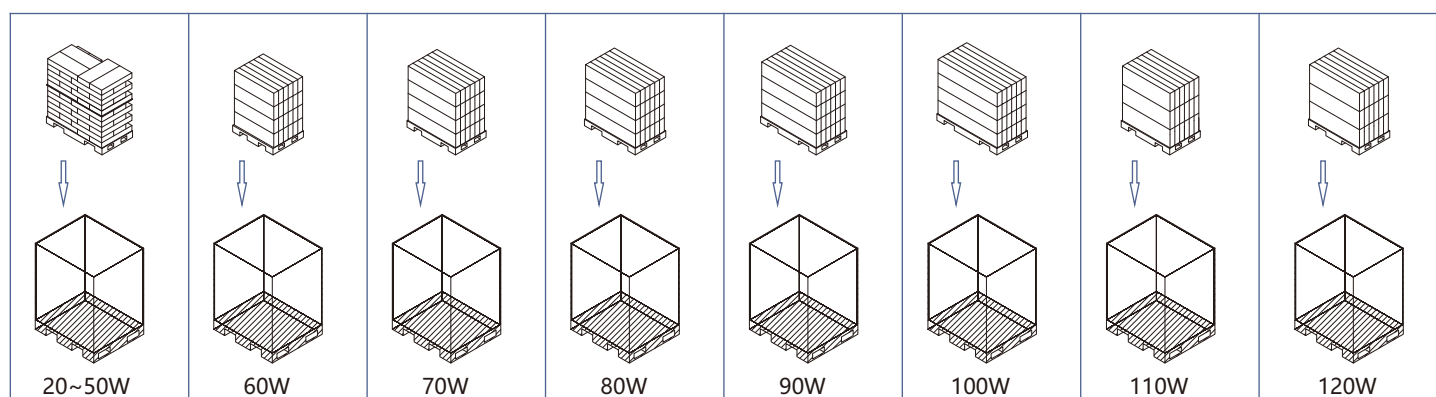
PV panel Dimension (S5F)



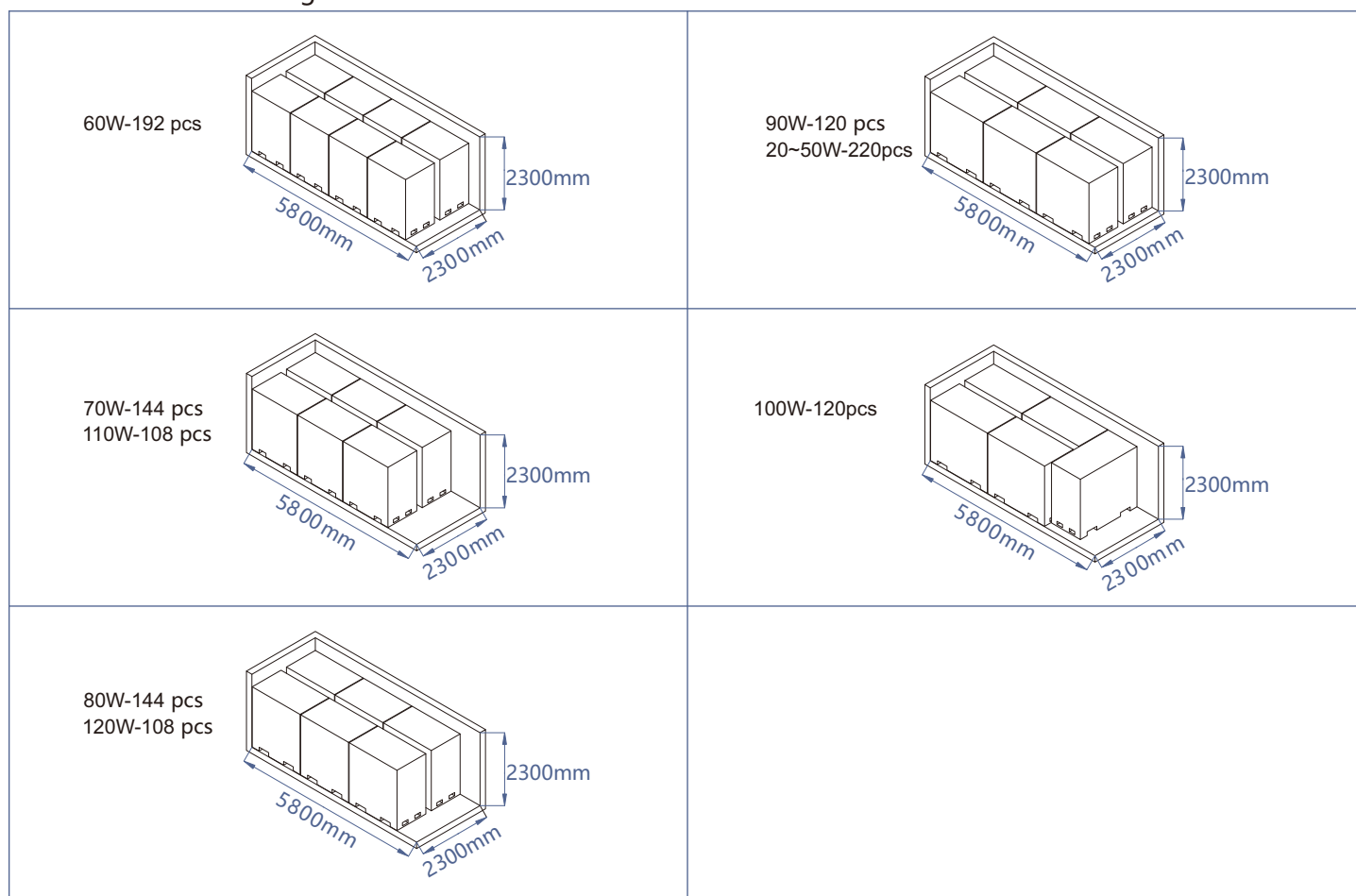
Lamp body	Power	L	W	H	Max Force Area	Packaging Dimension	G.W.
DMSL-SF5-XXX020	20W	713.0mm	297.0mm	384.0mm	0.2117m ²	770x360x265	15.42KG
DMSL-SF5-XXX030	30W	713.0mm	297.0mm	384.0mm	0.2117m ²	770x360x265	16.12 KG
DMSL-SF5-XXX040	40W	713.0mm	297.0mm	384.0mm	0.2117m ²	770x360x265	16.46 KG
DMSL-SF5-XXX050	50W	713.0mm	297.0mm	384.0mm	0.2117m ²	770x360x265	17.16 KG
DMSL-SF5-XXX060	60W	713.0mm	297.0mm	384.0mm	0.2117m ²	770x360x265	17.86 KG
DMSL-SF5-XXX070	70W	713.0mm	297.0mm	384.0mm	0.2117m ²	770x360x265	18.20 KG
DMSL-SF5-XXX080	80W	713.0mm	297.0mm	384.0mm	0.2117m ²	770x360x265	18.90 KG
DMSL-SF5-XXX090	90W	713.0mm	297.0mm	384.0mm	0.2117m ²	770x360x265	22.00 KG
DMSL-SF5-XXX100	100W	713.0mm	297.0mm	384.0mm	0.2117m ²	770x360x265	23.34 KG
DMSL-SF5-XXX110	110W	713.0mm	297.0mm	384.0mm	0.2117m ²	770x360x265	23.34KG
DMSL-SF5-XXX120	120W	713.0mm	297.0mm	384.0mm	0.2117m ²	770x360x265	22.69 KG
PV panel Bracket	Power	L	W	H	/	PV panel dimension	PV panel G.W.
DMSL-SF5-XXX020	20W	503mm	375mm	191.30mm	/	503x426x25	2.20 KG
DMSL-SF5-XXX030	30W	503mm	375mm	191.30mm	/	503x426x25	2.20 KG
DMSL-SF5-XXX040	40W	503mm	375mm	191.30mm	/	520x503x25	2.70 KG
DMSL-SF5-XXX050	50W	503mm	375mm	191.30mm	/	678x503x25	3.50 KG
DMSL-SF5-XXX060	60W	575mm	503mm	191.30mm	/	730x503x30	3.80 KG
DMSL-SF5-XXX070	70W	575mm	503mm	191.30mm	/	990x503x30	5.10 KG
DMSL-SF5-XXX080	80W	575mm	503mm	191.30mm	/	1070x503x25	5.50 KG
DMSL-SF5-XXX090	90W	725mm	660mm	191.30mm	/	890x660x30	6.00 KG
DMSL-SF5-XXX100	100W	725mm	660mm	191.30mm	/	1000x660x30	6.80 KG
DMSL-SF5-XXX110	110W	725mm	660mm	191.30mm	/	1100x660x30	7.50 KG
DMSL-SF5-XXX120	120W	725mm	660mm	191.30mm	/	1300x660x30	8.80 KG

Diagram of Pallet and Container loading (S5A)

Diagram of Pallet loading



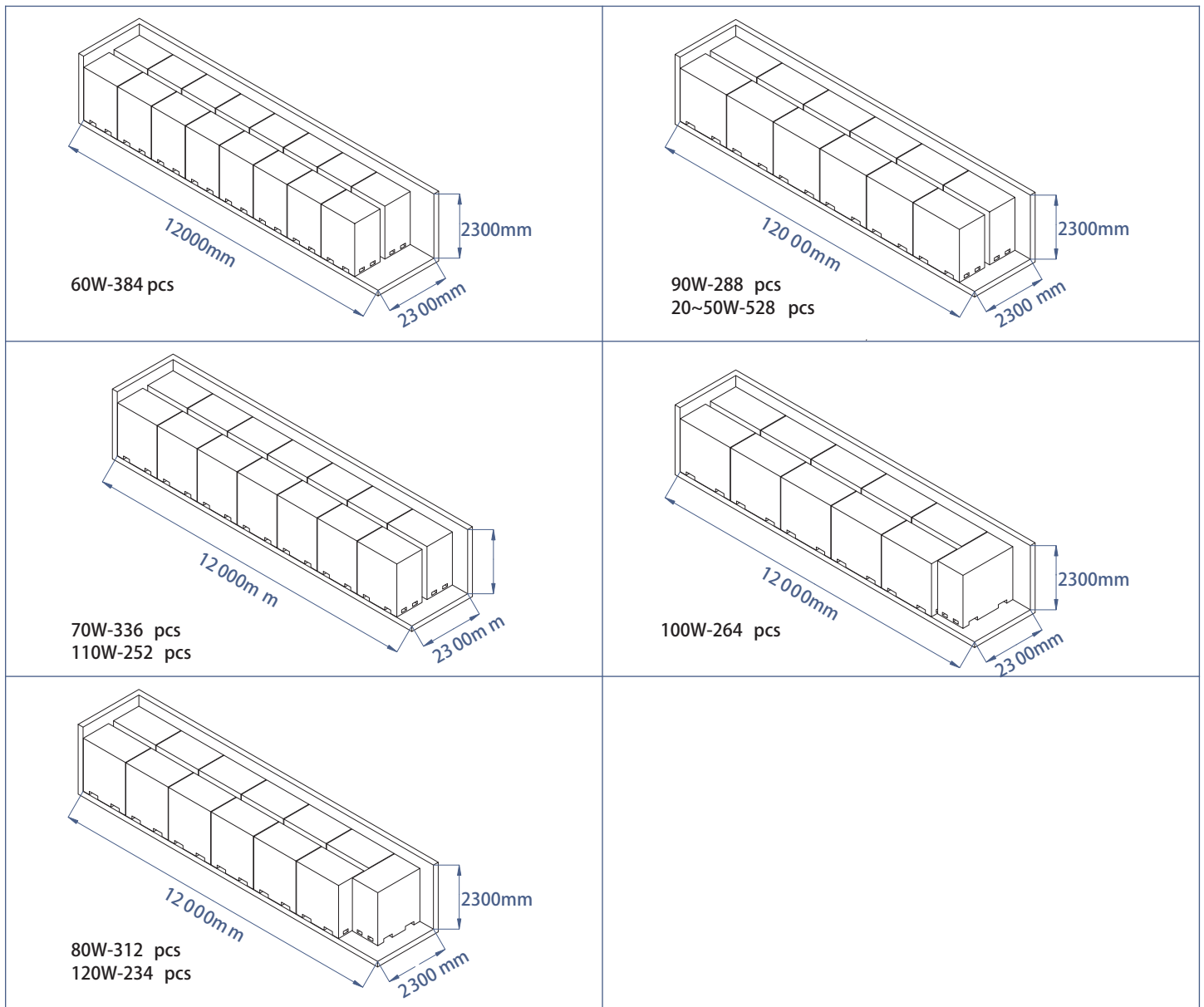
20ft Container loading



Model	Power	Wooden case inner size	Lamps/wooden case	Qty of one 20ft CTN
DMSL-S5A-XXX020~050	20~50W	1910x1100x1700	44 pcs	220 pcs
DMSL-S5A-XXX060	60W	1385x1050x1700	24 pcs	192 pcs
DMSL-S5A-XXX070	70W	1665x1050x1700	24 pcs	144 pcs
DMSL-S5A-XXX080	80W	1745x1050x1700	24 pcs	144 pcs
DMSL-S5A-XXX090	90W	1910x1100x1700	24 pcs	120 pcs
DMSL-S5A-XXX100	100W	2065x1050x1700	24 pcs	120 pcs
DMSL-S5A-XXX110	110W	1665x1050x1700	18 pcs	108 pcs
DMSL-S5A-XXX120	120W	1745x1050x1700	18 pcs	108 pcs

Diagram of Pallet and Container loading (S5A)

40ft Container loading



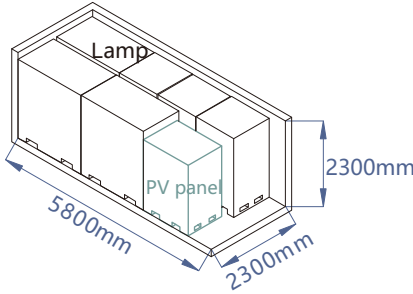
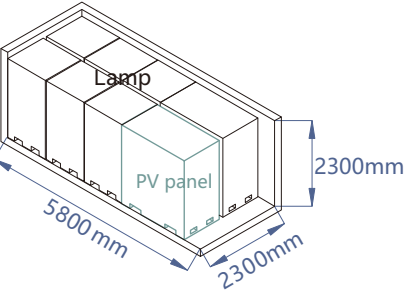
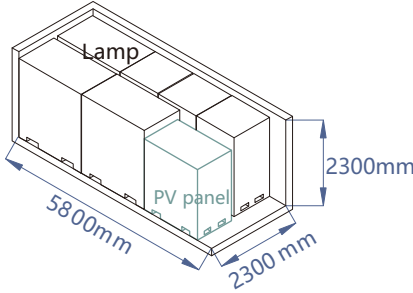
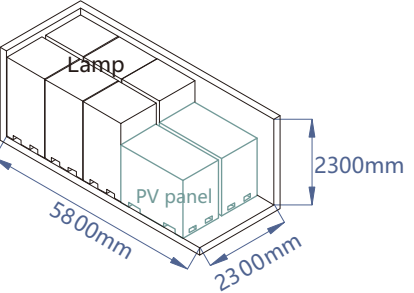
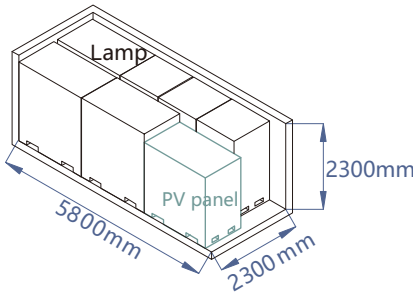
Model	Power	Wooden case inner size	Lamps/wooden case	Qty of one 40ft CTN
DMSL-S5A-XXX020~050	20~50W	1910x1100x1700	44 pcs	528 pcs
DMSL-S5A-XXX060	60W	1385x1050x1700	24 pcs	384 pcs
DMSL-S5A-XXX070	70W	1665x1050x1700	24 pcs	336 pcs
DMSL-S5A-XXX080	80W	1745x1050x1700	24 pcs	312 pcs
DMSL-S5A-XXX090	90W	1910x1100x1700	24 pcs	288 pcs
DMSL-S5A-XXX100	100W	2065x1050x1700	24 pcs	264 pcs
DMSL-S5A-XXX110	110W	1665x1050x1700	18 pcs	252 pcs
DMSL-S5A-XXX120	120W	1745x1050x1700	18 pcs	234 pcs

Diagram of Pallet and Container loading (S5H & S5F)

Diagram of Pallet loading

Wooden case diagram for PV panels												Diagram for lamps	
													
↓ 270pcs	↓ 250pcs	↓ 240pcs	↓ 210pcs	↓ 165pcs	↓ 120pcs	↓ 180pcs	↓ 70pcs	↓ 160pcs	↓ 135pcs	↓ 80pcs	↓ 80pcs	↓ 49pcs	↓ 28pcs
35W	43W	58W	62W	86W	86W	94W	94W	102W	115W	128W	154W	S5F/S5H	

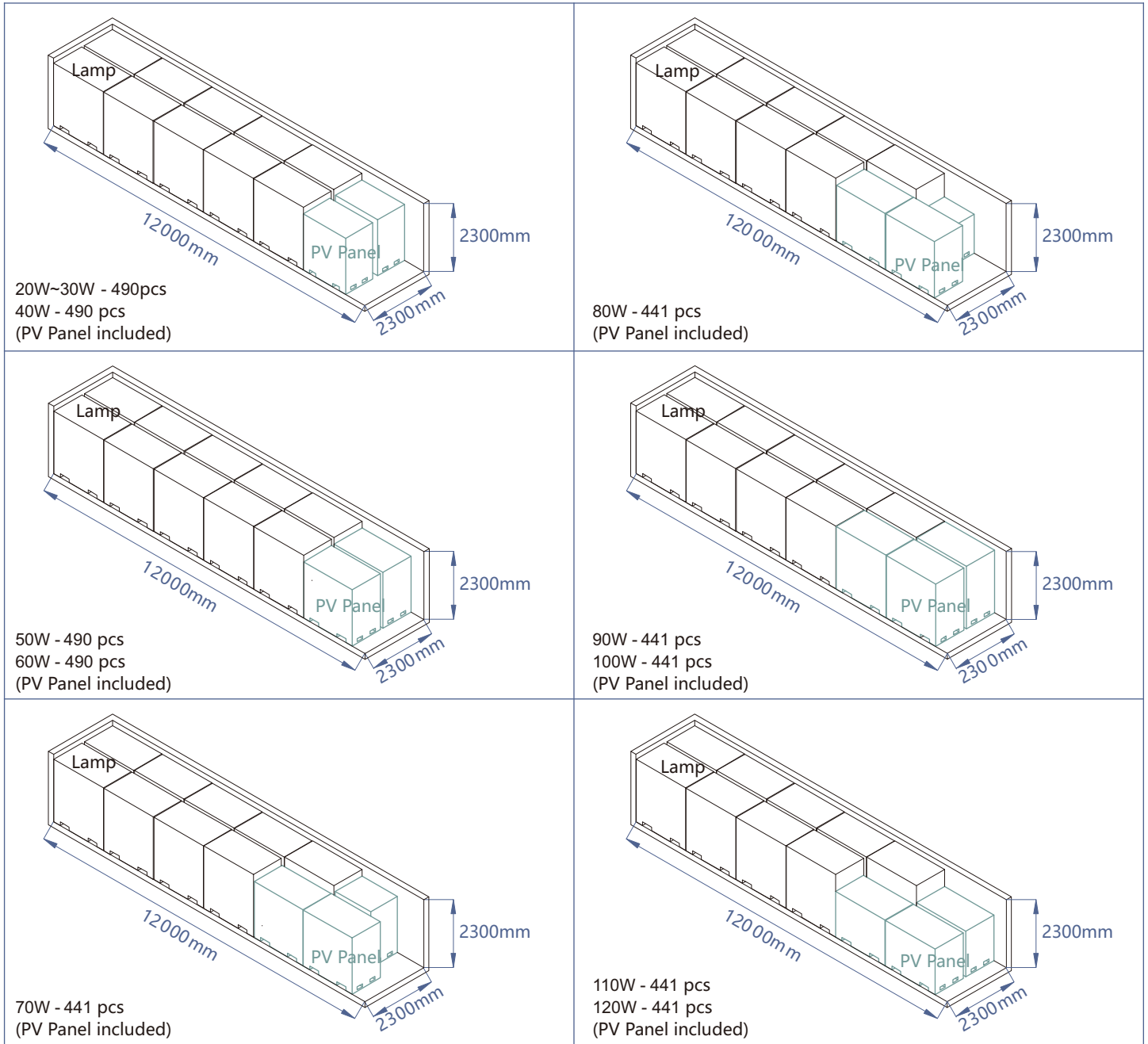
20ft Container loading

20W~30W 231 pcs (PV Panel included) 	90W - 217 pcs 100W-217 pcs (PV Panel included) 
40W - 231 pcs (PV Panel included) 	110W - 168 pcs 120W - 168 pcs (PV Panel included) 
50W - 217 pcs 60W - 217 pcs 70W - 217 pcs 80W - 217 pcs (PV Panel included) 	Note: The data in the following tabel is the maximum number, and it depends on actual needs: eg.20~30W, 1 wooden case(1385x1050x1700) can hold max.270pcs PV panels, but can only hold 231pcs lamp bodies, so the actual quantity is 231 sets.

Model	Power	Wooden case inner size (PV Panel)	QTY/wooden case (PV Panel)	Wooden case inner size (Lamp)	QTY/wooden case (Lamp)	Qty of one 20ft CTN
DMSL-S5H/F-XXX020~030	35W	1385x1050x1700(mm)	270 pcs	1170x1100x1920mm	28 pcs	231 pcs
DMSL-S5H/F-XXX040	43W	1665x1050x1700(mm)	250 pcs			
DMSL-S5H/F-XXX050	58W	1910x1100x1700(mm)	240 pcs			217 pcs
DMSL-S5H/F-XXX060	62W		210 pcs			
DMSL-S5H/F-XXX070	86W		165 pcs			
DMSL-S5H/F-XXX080	94W	1940x1100x1920(mm)	180 pcs	1940x1100x1920mm	49 pcs	168 pcs
DMSL-S5F-XXX090	102W		160 pcs			
DMSL-S5F-XXX100	115W		135 pcs			
DMSL-S5F-XXX110	128W	1940x1100x1350(mm)	80 pcs			
DMSL-S5F-XXX120	154W		80 pcs			

Diagram of Pallet and Container loading (S5H & S5F)

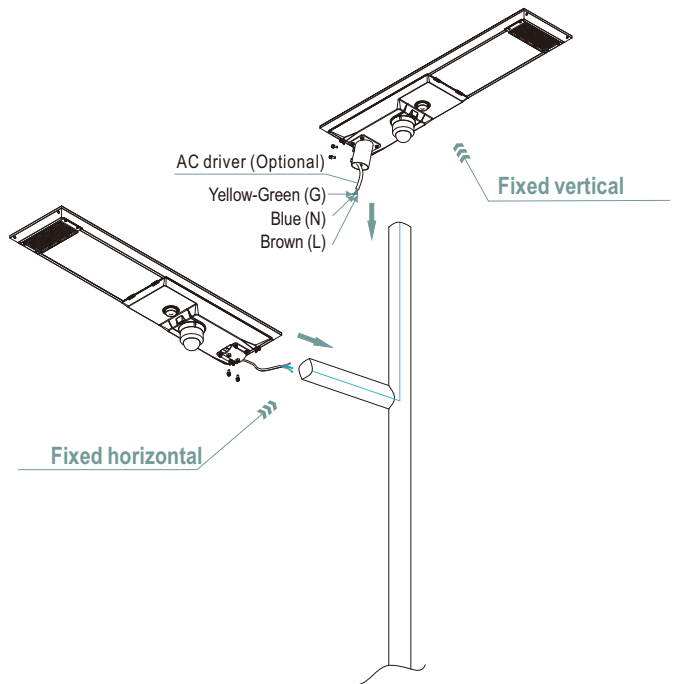
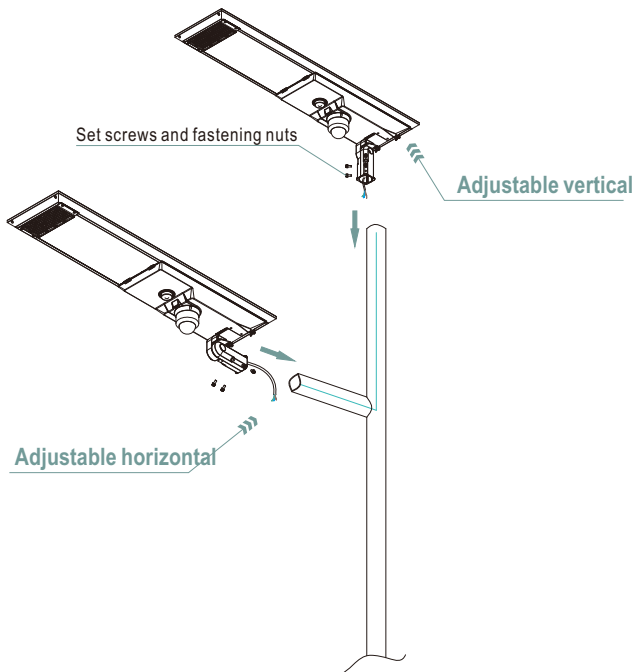
40ft Container loading



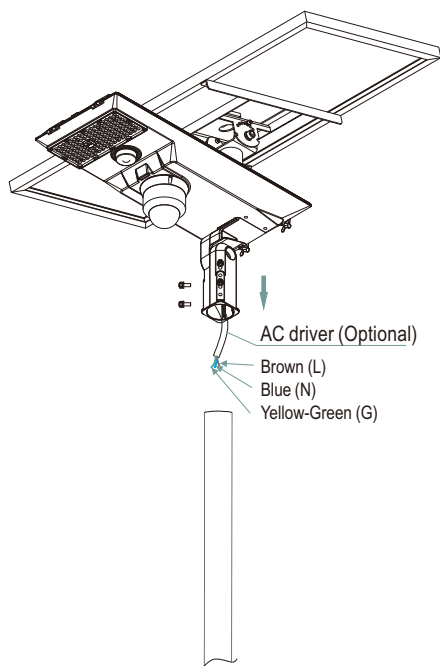
Model	Power	Wooden case inner size (PV Panel)	QTY/wooden case (PV Panel)	Wooden case inner size (Lamp)	QTY/wooden case (Lamp)	Qty of one 20ft CTN
DMSL-S5H/F-XXX020~030	35W	1385x1050x1700(mm)	270 pcs	1170x1100x1920	28 pcs	490 pcs
DMSL-S5H/F-XXX040	43W	1665x1050x1700(mm)	250 pcs			
DMSL-S5H/F-XXX050	58W	1910x1100x1700(mm)	240 pcs			
DMSL-S5H/F-XXX060	62W		210 pcs			
DMSL-S5H/F-XXX070	86W		165 pcs			
DMSL-S5H/F-XXX080	94W	1940x1100x1920(mm)	180 pcs	1940x1100x1920	49pcs	441 pcs
DMSL-S5F-XXX090	102W		160 pcs			
DMSL-S5F-XXX100	115W		135 pcs			
DMSL-S5F-XXX110	128W	1940x1100x1350(mm)	80 pcs			
DMSL-S5F-XXX120	154W		80 pcs			

INSTALLING GUIDE (S5A)

- Four installing ways
- Adjustable vertical
 - Adjustable horizontal
 - Fixed horizontal
 - Fixed vertical



INSTALLING GUIDE (S5H)



INSTALLING GUIDE (S5F)

