LEADSUN
EST. 2005

SMART Solar Lighting
AEX Series

Leadsun's AEX SMART solar lighting series offers a wide range of solar engines from 100W-400W, with bi-facial monocrystalline panel units to optimise energy conversion. It's ideal for vast public areas such as car parks and road safety.

5 YEARS UNLIMITED WARRANTY

MPPT Controller - Maximises solar charge power with >40% efficiency improvement over PWM chargers

TPT bi-facial monocrystalline photovoltaic panel with >21% efficiency

EDGE web-based wireless control, monitoring & management system

Dual LiFePO4 Li-ion **patented battery** management system with 10+ year performance

Hot dipped galvanised, **lowerable poles** for easy installation at ground level with concrete-less or standard ragbolt footing

Advanced **Dark-Sky compliant** LED lighting with **PIR Motion Sensor** and optional DISS activation of groups of lights

Modular design with fully **integrated components** for simple maintenance. Wind rated to 259kph.

42 Greens Rd, Dandenong Sth,
Victoria 3175, Australia

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1300 532 378

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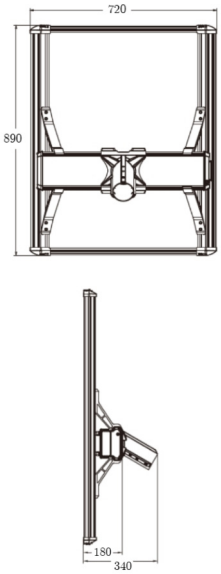
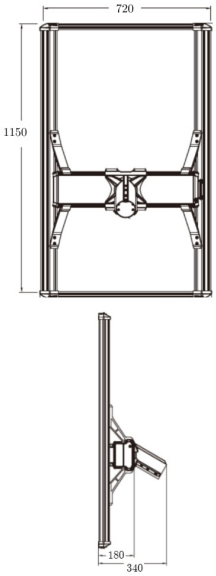
AEX Series

CE | IP66 | IK08

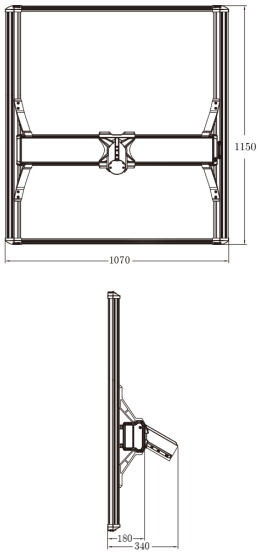
AEXS100R



AEXS150T



AEXS220W



Model No.	AEXS100R	AEXS150T	AEXS220W
Configuration			
PHYSICAL PARAMETERS			
Solar module power output (W)	100	150	220
Lithium battery capacity (Wh)	615	820	1229
Net weight of product (kg)	17	22	32
Product dimension (mm) LxWxD	890×720×180	1150×720×180	1150×1070×180
Pole mounting diameter (mm)	89	89	89
Panel wind speed rating (km/h)	259	259	259

TECHNICAL & OPERATING PARAMETERS	
PV Charge Controller	MPPT
Nominal battery voltage (V dc)	12
Battery cycle life	>4000 cycles
Battery charging & temperature range (˚C)	0 ~ 51
Battery discharging temperature range (˚C)	-20 ~ 60
LED dimming controller type	PWM (Programmable via USB or EDGE)
Photoelectric switch on / off level (lx)	60 / 90

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AEX Series

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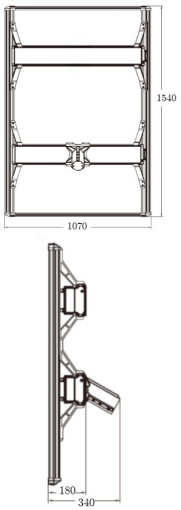
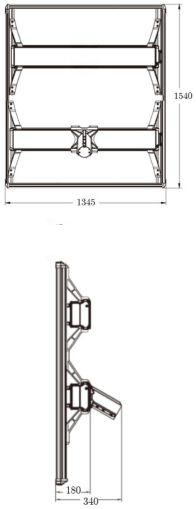
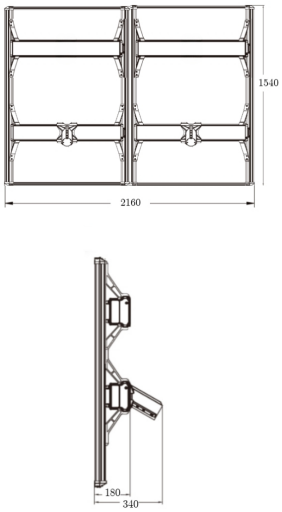
AEX300Y



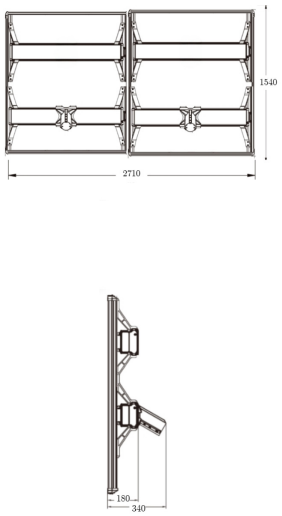
AEX400A



AEX600C



AEX800F



Model No.	AEX300Y	AEX400A	AEX600C	AEX800F
PHYSICAL PARAMETERS				
Solar module power output (W)	300	400	600	800
Lithium battery capacity (Wh)	1640	2458	3280	4916
Net weight of product (kg)	44	52	108	124
Product dimension (mm) LxWxD	1540×1070×180	1540×1345×180	1540×2160×180	1540x2710x180
Pole mounting diameter (mm)	89	89	89	89
Panel wind speed rating (km/h)	259	259	259*	259*
TECHNICAL & OPERATING PARAMETERS				
PV Charge Controller	MPPT			
Nominal battery voltage (V dc)	24			
Battery cycle life	>4000 cycles			
Battery charging & temperature range (˚C)	0 ~ 51			
Battery discharging temperature range (˚C)	-20 ~ 60			
LED dimming controller type	PWM (Programmable via USB or EDGE)			
Photoelectric switch on / off level (lx)	60 / 90			

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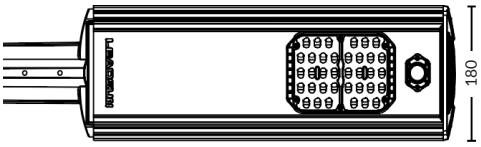
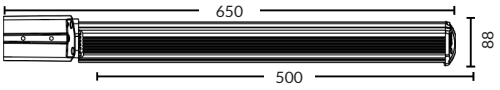
Luminaire

Dark-sky certified

We are committed to reducing light pollution, a common issue caused by traditional public lighting, Leadsun is proud to be the world's first solar lighting manufacturer to offer fully certified International Dark-Sky Association (IDA) approved lights.

Our luminaires are equipped with low-glare, 3000K warm LEDs and ultra-sharp cut-off optics. These features, combined with the horizontal positioning of the optics, significantly reduce glare both in the front and rear, while effectively eliminating upward light spill, minimising the impact of skyglow and light pollution.





Motion Control

Additionally, our advanced lighting solutions feature a PIR motion sensor and offer the optional **DISS (Dynamic Intelligent Sensor System)** for the activation of multiple lights.

Model No.	L3SS10	L3SS30
PHYSICAL PARAMETERS		
Net weight of product (kg)	3.2	3.2
Dimension of product (mm)	650×180x88	650×180x88
TECHNICAL & OPERATING PARAMETERS		
LED output (W)	10	30
LED colour temperature (K)	3000	3000
LED typical luminous flux (lm)	1800	5400
Motion sensor type *Optional*	Passive Infra Red *DISS*	Passive Infra Red *DISS*
LED distribution type	T2L / T2W	T2W

Disclaimer: All measurements noted in this document have been rounded to within ±20mm, ±1kg, ±15lx. *Dual panel wind rating subject to site conditions. Actual product may vary slightly. Battery storage limitations apply.

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