High Brightness HA-Solar flood Light

HA Solar flood light is a highly efficient solar light with high capacity Lithium Ion batteries and a fast charging Polycrystalline solar panel. This means that even on cloudy and rainy days, it will re-charge efficiently. The high battery capacity gives enough power for multiple nights, even when there is little light during the day. The high lumen light output is bright enough to illuminate areas of up to 150m^2.

Warnings and Safety

• This product includes rechargeable batteries which must be adequately charged under sunlight before use.

Product data

General information

Driver included	Yes
Optical cover/lens type	L [Lens]
Cable	1 m cable for solar panel connection included
CE mark	CE mark
Warranty period	5 years
Material	Pressure die cast aluminium

Operating and electrical

	50W	100W	200W	300W	400W	500W
Battery type	Lithium Ferro Phosphate					
Battery ampere hour	7 Ah	15 Ah	25 Ah	30 Ah	40 Ah	50 Ah
Battery voltage	3.2 V	3.2 V	3.2 V	3.2 V	3.2 V	3.2 V
Panel type	Polycrystalline solar panel					
Panel voltage	6 V	6 V	6 V	6 V	6 V	6 V
Panel peak wattage	10 W	20 W	25 W	35 W	40 W	50 W
Charge controller type	MPPT					
Charge controller wattage	10 W	20 W	25 W	35 W	40 W	50 W

Controls and dimming

Dimmable	Preset Dimming
Configurability	Configurable

Mechanical and housing

	50W	100W	200W	300W	400W	500W
Overall length (mm)	16	206	276	316	316	316
Overall width (mm)	48	48	48	49	49	49
Overall height (mm)	206	265	346	396	396	396
Colour	Black / Grey					

Approval and application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]

Initial performance

	50W	100W	200W	300W	400W	500W
Initial luminous flux	1200lm	1800lm	3000lm	4200lm	5200lm	6800lm
Initial LED luminaire efficacy	195 lm/W					
Init. Corr. Colour Temperature	3000-8000 K					

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Init. Colour rendering index	>80

Application conditions	
Ambient temperature range	0 to +50 °C
Solar dimming profile	Five preset dimming profile selectable by remote controller
Grid connection type	Off grid
Battery location	Inbuilt

Product data	50W	100W	200W	300W	400W	500W
All in one package						
L (mm)	370	370	465	630	700	700
W (mm)	93	93	93	93	103	103
H (mm)	260	370	380	380	480	570
Package weight (kg)	2.1	4.0	5.25	6.5	7.0	7.5

IP65 IK06

Dimensional drawing

Solar Flood Light 50W IP65 — 206mm, 167mm, 48mm
50W

Solar Flood Light 100W IP65 — 265mm, 206mm, 48mm
100W

Solar Flood Light 200W IP65 — 346mm, 276mm, 48mm
200W

Solar Flood Light 300W IP65 — 396mm, 316mm, 49mm
300W

Solar Flood Light 400W IP65 — 396mm, 316mm, 49mm
400W

Solar Flood Light 500W IP65 — 396mm, 316mm, 49mm
500W