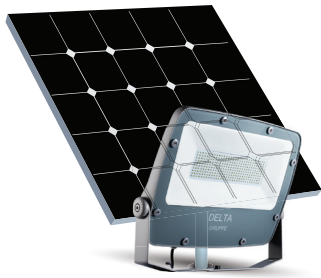


COMMUNITY ISOLAR LED Solar Lighting

www.gruppelighting.com



Application

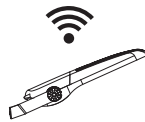
Canopy, Area, Signage, Sport & Recreation.

Luminaire Characteristic

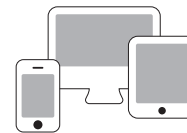
Housing	: Aluminium Alloy
Finishing	: Grey
Solar panel	: Monocrystalline
Light distribution	: Type II, Type III, Type IV
Ingress Protection (IP)	: IP66
Colour rendering (CRI)	: ≥ 70
Colour temperature (CCT)	: 3000K ~ 6000K
<i>Other CCT & CRI available upon request</i>	
Weight	: 30 kg ~ 80kg
Nominal efficacy	: 100 ~ 150 lm/W
Charging time	: > 6 hours
Discharge time	: > 12 hours/night
Working mode	: 4hr - 100%, 2hr - 60%, 6hr - 40%

Optional

Remote Control System & Smart Intelligent System available upon request



Energy saving with remote control system



Network for smart intelligent system

General Information

Recommended installation height	: 6m to 12m
Autonomy days	: 2 days
Geographical location	: Designed and optimised for various location

DELTA	UNIVERSAL	Wattage	Lithium Battery	Solar Panel
DEL08060	N/A	80W	1520Wh	260W
DEL10060	UNI10050	100W	1900Wh	360W
DEL12060	UNI12050	120W	2280Wh	380W
DEL15060	UNI15050	150W	2850Wh	2 x 240W
DEL18060	UNI18050	180W	3420Wh	2 x 300W

ECO LED BATTEN Solar Lighting

Application

Predestrian Walkway, Bus Stop & Train Station, Shelters & Gazebo, Outdoor Carpark



Luminaire Characteristic

Housing	: Polycarbonate
Finishing	: Standard white
Solar panel	: Monocrystalline
Type	: Community type - ISolar LED
Ingress Protection (IP)	: IP67
Colour rendering (CRI)	: ≥ 70
Operating temperature range (Ta)	: $-15^{\circ}\text{C} \sim 40^{\circ}\text{C}$
Colour temperature (CCT)	: 6000K
<i>Other CCT & CRI available upon request</i>	
Weight	: 15kg ~ 30kg
Nominal efficacy	: $> 100 \text{ lm/W}$
Charging time	: $> 6 \text{ hours}$
Discharge time	: $> 12 \text{ hours/night}$
Working mode	: 100% ON for 12 hours

	12W	18W	24W
Luminaire lumen	1200 lm	1800 lm	2400 lm
Size of solar panel	80W	120W	160W
Lifetime of solar panel	$> 20 \text{ Years}$		
Size of lithium battery	480Wh	720Wh	960Wh
Lifetime of battery	$> 2000 \text{ Lifecycle}$		
charge time by Sun	5 - 6 Hours with strong sunlight		
Discharge time (Full power)	$> 12 \text{ Hours}$		
Working mode	100% Brightness ON for 12 hours		
Raining Day	Up to 3 Autonomy days		
Luminaire Dimension	92 x 84 x 600mm	92 x 84 x 600mm	92 x 84 x 900mm
Luminaire Weight	2.5 kg	2.5 kg	5.7 kg
Solar panel dimension	700 x 670 30mm	1040 x 670 x 30mm	1480 x 670 x 35mm
Solar panel weight	9 kg	12 kg	15 kg
Battery dimension	300 x 150 x 100mm	600 x 150 x 100mm	800 x 150 x 100mm
Battery weight	5 kg	7 kg	9 kg

* Other CCT & CRI are available upon request