Direct Service • Dynamic Solutions

# PRODUCT
# SPECIFICATION SHEET

ACDC DYNAMICS
www.acdc.co.za

## SL-90W

## TECHNICAL PROPOSAL OF SOLAR STREET LIGHT


**BRANCH CONTACT DETAILS**

| | |
|---|---|
| Johannesburg: | 010 202 3300 |
| Cape Town: | 021 510 0710 |
| Pinetown: | 031 700 4215 |
| Germiston: | 011 418 9600 |
| Riverhorse: | 031 492 4800 |

**NATIONAL CALL CENTRE**

| | |
|---|---|
| Sales | **010 202 3400** |
| Technical | **010 202 3500** |

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# INDEX



## Overview of Solar Street Light Solution

| Description | Specification | Quantity |
|---|---|---|
| LED Street Light | 90W/24V | 1 |
| Solar Panel | 120W/18V | 2 |
| Storage Battery (excluded) | Order Separately | |
| Solar Controller | 15A/24V | 1 |
| Battery Box (underground) | Plastic | 1 |
| Pole (with lamp arm + solar bracket) | 6m Height | 1 |
| Foundation Kit | M16-500mm | 1 |
| Accessories | Assorted | 1 |

ACDC's Solar Street Light is designed to collect and store solar energy during the daytime, and release it as light energy during the night. Our system is composed of five major components: LED street light, solar panel, battery, solar controller and pole. Each component of our solar system is carefully selected, integrated and configured to ensure that you receive the most compact, reliable, and efficient solar lighting system.

## WARRANTY

ACDC guarantees the purchaser for a minimum period of 1 year that our solar lighting systems will be free from defects in materials. ACDC will repair or replace any component which is defective in this 1 year period from the date of purchase. This warranty does not cover damage or malfunction due to abuse, misuse, incorrect installation, or accident, as determined by ACDC service technicians or engineers. Please see ACDC Standard Conditions of Sale & Tendor (Available on request) Clauss 13 for a more detailed description.

# DESIGN CONDITIONS

ACDC refers to the latest geographical data of weather conditions from NASA was referred to for the design of solar lighting system.

| | | | | |
|---|---|---|---|---|
| Country - region | South Africa | | | |
| Province / State | n/a | | | |
| Climate data location | Aliwal North | | | |
| Latitude | | °N | -30.7 | |
| Longitude | | °E | 26.7 | Source |
| Elevation | | m | 1,445 | NASA |
| Heating design temperature | | °C | 0.4 | NASA |
| Cooling design temperature | | °C | 27.5 | NASA |
| Earth temperature amplitude | | °C | 19.9 | NASA |

| | Air temperature | Relative humidity | Daily solar radiation - horizontal | Atmospheric pressure | Wind speed | Earth temperature | Heating degree-days | Cooling degree-days |
|---|---|---|---|---|---|---|---|---|
| | °C | % | kWh/m²/d | kPa | m/s | °C | °C-d | °C-d |
| Jan | 20.7 | 52.8% | 7.46 | 85.0 | 4.0 | 23.7 | 0 | 330 |
| Feb | 20.0 | 55.8% | 6.67 | 85.1 | 3.9 | 22.1 | 0 | 280 |
| Mar | 18.2 | 55.0% | 5.75 | 85.2 | 3.8 | 19.9 | 0 | 253 |
| Apr | 15.0 | 51.3% | 4.70 | 85.3 | 3.8 | 16.3 | 90 | 150 |
| May | 11.0 | 50.8% | 3.95 | 85.5 | 4.0 | 11.5 | 219 | 29 |
| Jun | 6.9 | 53.8% | 3.48 | 85.6 | 4.3 | 6.8 | 334 | 0 |
| Jul | 6.8 | 50.6% | 3.77 | 85.6 | 4.3 | 6.9 | 346 | 0 |
| Aug | 9.7 | 44.5% | 4.69 | 85.5 | 4.5 | 10.6 | 256 | 0 |
| Sep | 13.6 | 41.7% | 5.68 | 85.3 | 4.5 | 15.5 | 132 | 108 |
| Oct | 16.2 | 48.3% | 6.57 | 85.2 | 4.4 | 19.2 | 55 | 193 |
| Nov | 18.2 | 48.5% | 7.27 | 85.1 | 4.2 | 21.7 | 0 | 246 |
| Dec | 19.9 | 49.8% | 7.77 | 85.0 | 4.0 | 23.6 | 0 | 308 |
| Annual | 14.7 | 50.2% | 5.64 | 85.3 | 4.1 | 16.4 | 1,432 | 1,897 |
| Source | NASA | NASA | NASA | NASA | NASA | NASA | NASA | NASA |
| | | | Measured at | m | 10 | 0 | | |

Factors considered when designing the solar lighting system:

**Solar Duration:** We use NASA data to calculate average and minimum solar radiation

**Latitude:** We design the solar panel tilt to capture the maximum amount of energy

**Season Variation:** We make adjustments for seasonal differences, so our lights will work efficiently through summer and winter.

**Weather:** Our lights are designed to work through rain, snow, fog, and cloudy weather

**Dust:** We have a special design to ensure our lights are dust resistant and minimize maintenance costs in dusty areas

**Wind Speed:** We design the foundations and poles to withstand hurricanes

**Temperature:** Our lights are designed to operate from -30 to 60 degrees

**Humidity:** We use a waterproof controller, connector and underground battery box to ensure our lights operate even in the most humid conditions

# DESIGN CONDITIONS & LIGHTING DESIGN REPORT

After optimization it was found that 40 degrees is the best slope angle for the solar panel to capture the maximum amount of solar energy during the day time. The month with the worst average solar conditions is highlighted below. We base the system on this information to insure that our system will work optimally year round.

| Fixed |
|---|
| -30.0 |

| Month | Daily Solar Radiation - Horizontal kWh/m²/d | Daily Solar Radiation - Tilted kWh/m²/d |
|---|---|---|
| January | 7.46 | 6.74 |
| February | 6.67 | 6.50 |
| March | 5.75 | 6.18 |
| April | 4.70 | 5.78 |
| May | 3.95 | 5.64 |
| June | 3.48 | 5.38 |
| July | 3.77 | 5.66 |
| August | 4.69 | 6.14 |
| September | 5.68 | 6.47 |
| October | 6.57 | 6.61 |
| November | 7.27 | 6.69 |
| December | 7.77 | 6.87 |
| **Annual** | **5.64** | **6.22** |

| Fixed |
|---|
| -25.0 |

| Month | Daily Solar Radiation - Horizontal kWh/m²/d | Daily Solar Radiation - Tilted kWh/m²/d |
|---|---|---|
| January | 7.46 | 6.95 |
| February | 6.67 | 6.62 |
| March | 5.75 | 6.19 |
| April | 4.70 | 5.68 |
| May | 3.95 | 5.44 |
| June | 3.48 | 5.14 |
| July | 3.77 | 5.42 |
| August | 4.69 | 5.99 |
| September | 5.68 | 6.43 |
| October | 6.57 | 6.70 |
| November | 7.27 | 6.88 |
| December | 7.77 | 7.11 |
| **Annual** | **5.64** | **6.21** |

| Fixed |
|---|
| -40.0 |

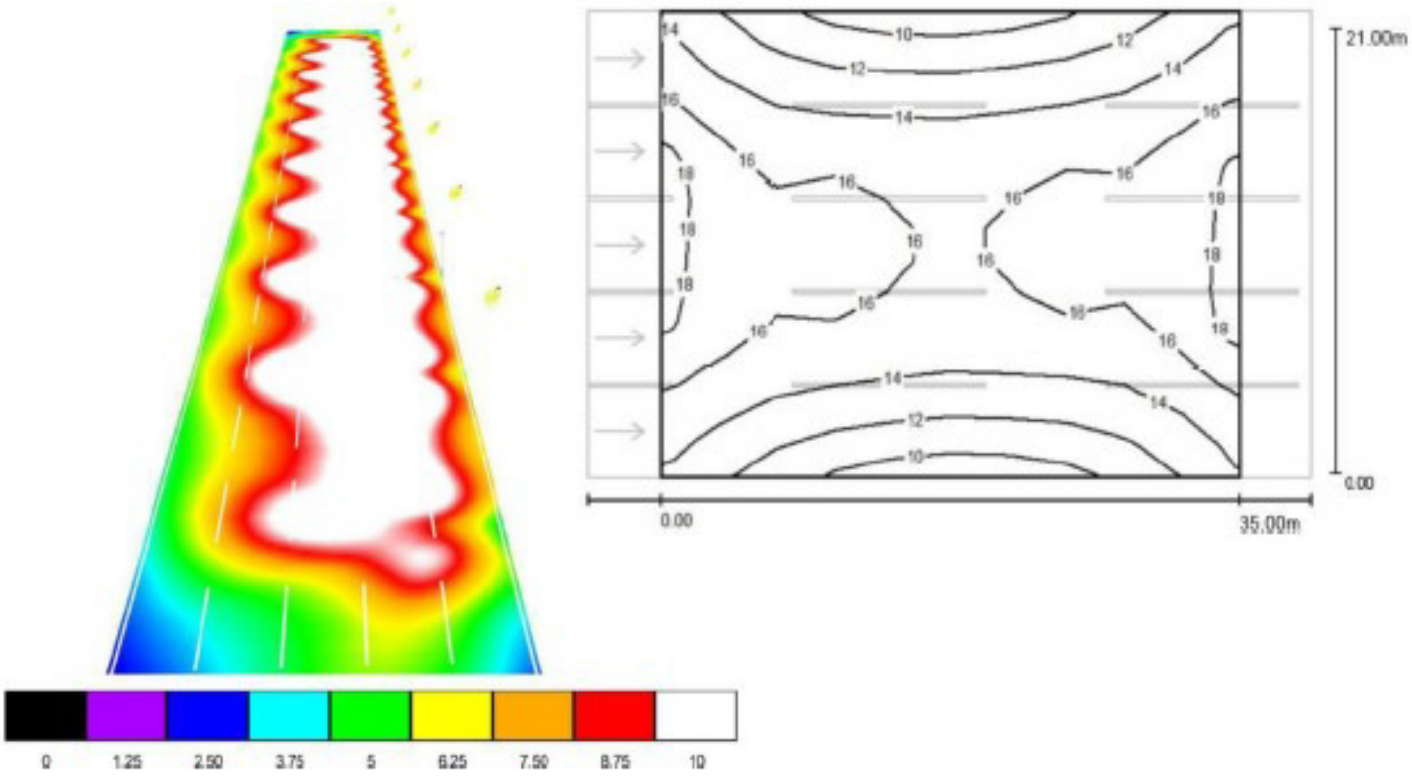
| Month | Daily Solar Radiation - Horizontal kWh/m²/d | Daily Solar Radiation - Tilted kWh/m²/d |
|---|---|---|
| January | 7.46 | 6.21 |
| February | 6.67 | 6.15 |
| March | 5.75 | 6.04 |
| April | 4.70 | 5.88 |
| May | 3.95 | 5.93 |
| June | 3.48 | 5.75 |
| July | 3.77 | 6.01 |
| August | 4.69 | 5.34 |
| September | 5.68 | 6.43 |
| October | 6.57 | 6.32 |
| November | 7.27 | 6.21 |
| December | 7.77 | 7.28 |
| **Annual** | **5.64** | **6.13** |

| Fixed |
|---|
| -20.0 |

| Month | Daily Solar Radiation - Horizontal kWh/m²/d | Daily Solar Radiation - Tilted kWh/m²/d |
|---|---|---|
| January | 7.46 | 7.12 |
| February | 6.67 | 6.71 |
| March | 5.75 | 6.17 |
| April | 4.70 | 5.55 |
| May | 3.95 | 5.20 |
| June | 3.48 | 4.86 |
| July | 3.77 | 5.15 |
| August | 4.69 | 5.80 |
| September | 5.68 | 6.35 |
| October | 6.57 | 6.75 |
| November | 7.27 | 7.03 |
| December | 7.77 | 7.31 |
| **Annual** | **5.64** | **6.17** |

## Lighting Design Report

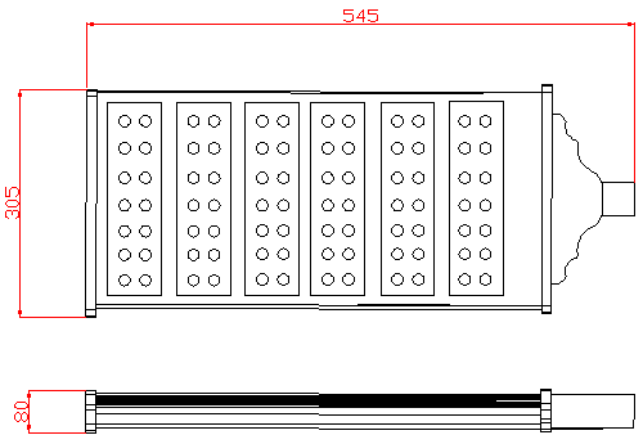
The following is representation from the report regarding the street color rendering and isoline. With lamp height 6m and pole spacing 21m.



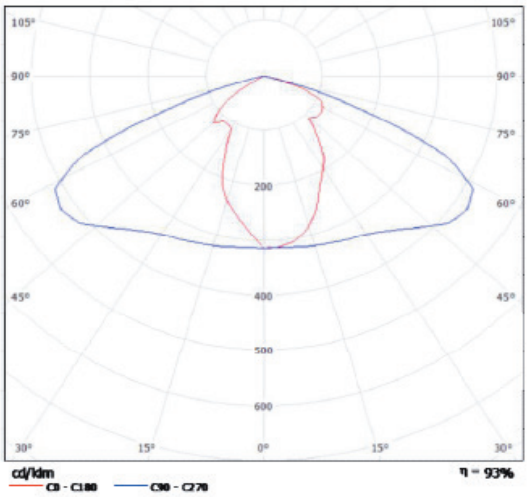
# LED STREET LIGHT DATA SHEET

## Features

- High Lumen Output
- Achieves Energy Savings of up to 70% in comparison to traditional solutions
- Minimal Light Pollution
- Low Maintenance
- Factory Fitted Photocell Option
- Long Life Span > 100 000 hours


| Code | SL-90W |
|---|---|
| **Electrical Specifications** | |
| LED Power | 90W |
| Lamp's Power | <95W |
| Operating Voltage | 100-240VAC, 50/60Hz<br>or 12/24VDC |
| Optimal Operating Temp. | -30°C - +60°C |
| Operating Humidity | 10% - 90% |
| Power Factor (PF) | >0.95 |
| Power Supply Efficiency | >90% |
| **Photometric Specifications** | |
| LED Luminous Flux | >10920lm |
| LED Luminous Efficiency | Up to 150-160lm/W |
| CRI | Ra >= 72 |
| CCT | 3000 - 6500K |
| **Mechanical Specifications** | |
| IP Rating | IP65 |
| Guarantee | 3 Years |
| Heat Radiator | Anodized Aluminium |
| Face | Toughened Glass |
| Fixture Dimensions | 545 x 305 x 80mm |
| Fixture Weight | 6.3kg |
| **Packing Information** | |
| Packing Type | 1 Unit / carton |
| Packing Dimension | 610 x 340 x 100mm |
| Packing Weight | 6.7kg |



# SOLAR PANEL DATA SHEET

## SM120P

### POLY CRYSTALLINE MODULE

**Positive power tolerance of 0/+3%**

## Key Features

**High Power Output:**
Polycrystalline module with high efficiency achieves a power output.

**Anti-PID Guarantee:**
Limited power degradation of Eagle module caused by PID effect is guaranteed under 60°C/85% RH condition for mass production.

**Low-light Performance:**
Advanced glass and surface texturing allow for excellent performance in low-light environments.

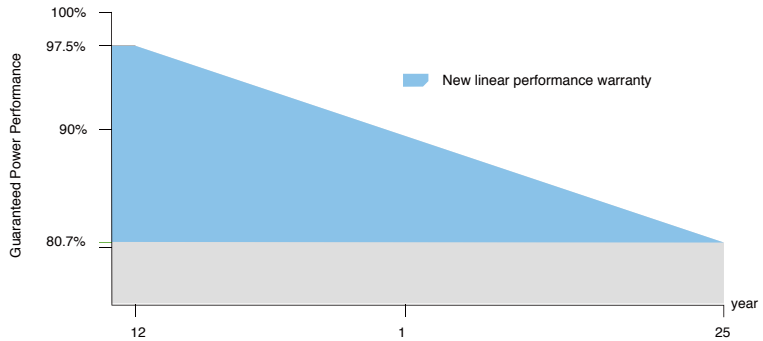
**Severe Weather Resilience:**
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

**Durability against extreme environmental conditions:**
High salt mist and ammonia resistance certified by TUV NORD.

**Temperature Coefficient:**
Improved temperature coefficient decreases power loss during high temperatures.

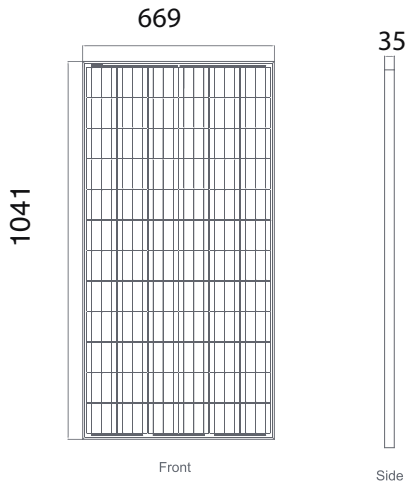
## Linear Performance Warranty

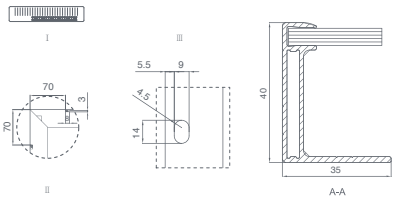
10 Year Product Warranty
25 Year Linear Power Warranty



# SOLAR PANEL DATA SHEET

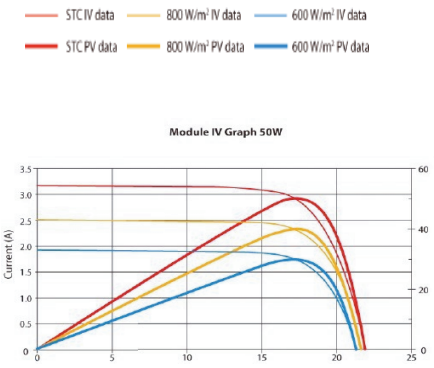
## Engineering Drawings



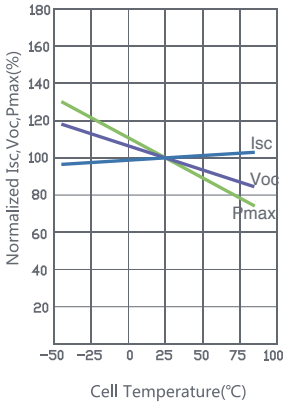




## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves




Temperature Dependence of Isc,Voc,Pmax




## Packaging Configuration

| |
|---|
| (Two Boxes = One Pallet) |
| 2pcs/Box, 50boxes/Pallet |

## Mechanical Characteristics

| | |
|---|---|
| Cell Type | Polycrystalline 156 x 85mm |
| No. of Cells | 36 (4 x 9) |
| Dimensions | 1041 × 669 × 35mm |
| Weight | 11kgs |
| Front Glass | 3.2mm, High Transmission, Low Iron, Tempered Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP67 Rated |
| Output Cables | TÜV 1 × 4.0mm², Length: 900mm |

## Specifications

| | |
|---|---|
| Module Type | SM120P |
| Maximum Power at STC (Pmax) | 120Wp |
| Maximum Power Voltage (Vmp) | 18V |
| Maximum Power Current (Imp) | 6.66A |
| Open-Circuit Voltage (Voc) | 22.5V |
| Short-Circuit Current (Isc) | 6.95A |
| Module Efficiency STC (%) | 17% |
| Operating Temperature (°C) | -40°C~+85°C |
| Maximum System Voltage | 1000VDC (IEC) |
| Maximum Series Fuse Rating | 5A |
| Power Tolerance | 0~+3% |
| Temperature Coefficients of Pmax | -0.40%/°C |
| Temperature Coefficients of Voc | -0.30%/°C |
| Temperature Coefficients of Isc | 0.06%/°C |
| Nominal Operating Cell Temperature (NOCT) | 45±2°C |

# CONTROLLER DATA SHEET

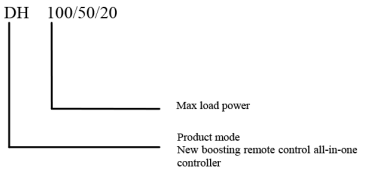
**DH Intelligent Wireless Dimming LED Solar Charge Controller Specification**

**Main Features:**

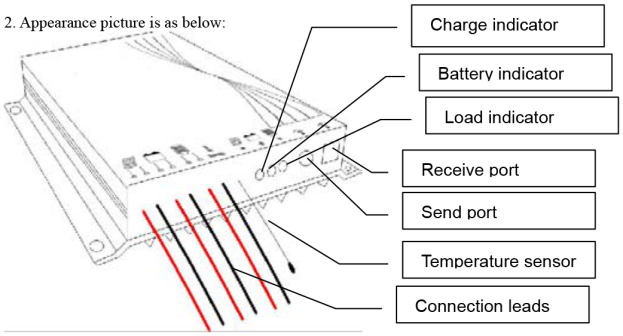
1. New design of wireless remote-control can modify the controller parameter and read the system message.
2. Digital high precision constant-current control, the maximum efficiency can reach 96%.
3. The working current can be adjusted from 0.15A to 3.3A, the regulating precision is 30mA.
4. High dynamic performances of load insure current output stability.
5. 3 section time frame dimming function, work time can be set from 0h to 15 hours, power can be set from 0% to 100%.
6. Intelligent power mode, the load power can adjust automatically according to the battery power.
7. Record the system status a max 7 days and monitor the whole system.
8. The true constant current increases the LED service life.
9. Metal case, IP68 waterproof degree.
10. With modified calculation of charging, the charging efficiency is improved, which lengthens the using time of solar energy.
11. Overheat preventing function, above a certain temperature will decrease the load or close the load.
12. Varies system protection function. Including the battery reverse connection, LED short circuit, open circuit protection and so on.

**Installation and Wiring:**

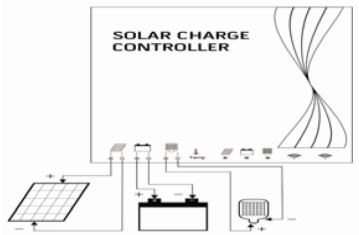
1. Mode identification:




2. Appearance picture is as below:




3. Wiring diagram is as below:




Connection sequence: Please connect the storage battery first, then connect the load, last is the solar panel. Pay attention to the "+" and "–" in case of reverse connection.

**LED Connection:**

1. The DH Controller is internally installed with constant current source. The max output voltage is 60V. The max amount of LED lights can be connected is 18pcs in series.

2. The DH controller can automatically identify of 12V and 24V system voltage. While connect to LED load, please ensure the number of LED lights in series is appropriate.

**Please refer to the recommend as below:**

| System voltage | The Min No.(n) Of LED lights In series | Output voltage of load ($V_{out}$) | Output power of load ($V_{out}$) |
|---|---|---|---|
| 12V | n ≥ 5 | $V_O \geq 15V$ | $P_{LED} \leq 50W$ |
| 24V | n ≥ 10 | $V_O \geq 30V$ | $P_{LED} \leq 100W$ |

3. Before open the load, Please connect LED light first.

**Warning: if the number of LED in series is not appropriate, the controller or the LED load will be damaged.**

**Status Indication:**

| LED light | Indications | Status | Functions |
|---|---|---|---|
| | Charging indication | Long-term On | The solar panel voltage is higher than light control voltage |
| | | Long-term Off | The solar panel voltage is lower than light control voltage |
| | | Slow Flashing | Be on charging |
| | | Fast Flashing | Overpressure of system |
| | Battery indication | Long-term On | Storage battery works normally |
| | | Long-term Off | Storage battery is not connected |
| | | Fast Flashing | Storage battery is excessively discharged |
| | Load indication | Long-term On | Load is on |
| | | Long-term Off | LED load is in short circuit or open circuit status. |
| | | off | Load is off |

**Test Mode**

Normally the controller is under the light + time control mode, Can use the remote control open the load and the load power will be changed according to the remote control setting during installation or need testing. The test mode will last 1min, after 1min the system will automatically recover to the normal working mode.

**Load Working Mode:**

Load connect to the DH controller have four working timeframe, each working time and working power can be adjusted arbitrary. Different combination can realize different control mode.

**A. Normal Working Mode.**

**B. Delay Light Time Mode:** For example, setting the first time working 4hours,the first power is 0%,system will lighting 4hours later.

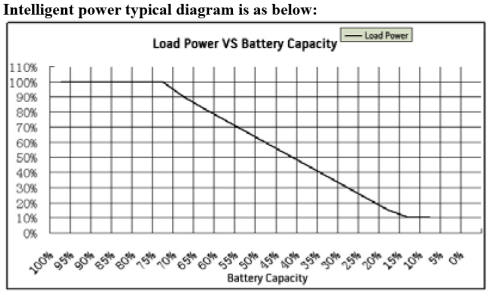
**C. Double Time Frame Mode:** For example, setting the third time working 4 hours, the third power is 0%, system will be off 4hours after work through the first and second time and then enter the fourth time continue lighting until sunrise.(Remark: this mode do not have the correct function for the night length, different season will show various lighting time in the morning.

| *Adjust item* | *Parameter* | *Default value* |
|---|---|---|
| The first working time | 0hour ～ 15hours | 4 |
| The first working power | 0% ～ 100% | 100% |
| The second working time | 0hour ～ 15hours | 0 |
| The second working power | 0% ～ 100% | 70% |
| The third working time | 0hour ～ 15hours | 4 |
| The third working power | 0% ～ 100% | 50% |
| The fourth working time | 0hour ～ 15hours | 0 |
| The fourth working power | 0% ～ 100% | 30% |

**LED Intelligent Power Control**

While customer open the "Intelligent power" mode, currently the controller will enter to the intelligent power control mode, The LED load power will adjust automatically according to the battery power. The working time and load power preset before is still valid; system will compare with the automatically power and the preset power, and then choose the small one as the load output power.
For example: when the battery power is 50%,intelligent power mode calculate the load power is 60%,if now customer preset the load power is 100%,the system will choose 60% as load power. If now customer preset the load power is 20%, the system will choose 20% as load power.

**Intelligent power typical diagram is as below:**




**Read and Modify The Parameter:**

DH solar charge controller can setting including the load working time、load working power、light control delay、charging voltage and so on. After setting finish on remote control, aim at the controller and press the "Send" key will set up successfully .Also can read the currently setting parameter of the controller, then check the parameter setting correct or no.

**System Status Record:**

DH solar charge controller can record the whole system running status, including the running day、over discharge times、full charged time. Also can record the battery's voltage changing conditions in one

# CONTROLLER DATA SHEET

week which convenient for customer analysis and understanding about the system. Customer can read the running status by remote control, after read successfully; the parameter will be record in the remote control.

**Charge-Discharge Control Case:**

The parameter of the case is as below:

| The setting of the case | Setting value |
|---|---|
| Working time of first stage | 3 hours |
| Working power of first stage | 100% |
| Working time of second stage | 5 hours |
| Working Power of second stage | 70% |
| Working time of third stage | 2 hours |
| Working power of second stage | 50% |
| Working time in the morning | 2 hours |
| Working power in the morning | 30% |
| Load current | 1.74A |
| Boost charge voltage | 14.4V |
| Float charge voltage | 13.8V |
| Light-operated voltage | 8V |
| Light-operated delay time | 5Min |

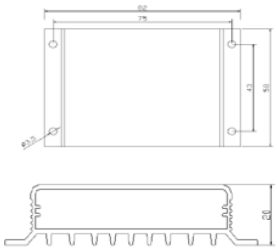
**Run Stage Specification:**

| stage | description |
|---|---|
| 1 | Daytime：When the light strengthened, the charging current will increase rapidly, Battery voltage will rise. |
| 2 | Daytime: the light changes, the battery voltage is unstable. |
| 3 | Daytime: boost charge stage. |
| 4 | Daytime: boost charge finished and enter float charge stage. |
| 5 | Night: when the solar panel voltage is lower than light-operated voltage, The load will be open after delay. At the first stage, the load power is 100%. |
| 6 | Night: at the second stage, the load power is 70%. |
| 7 | Night: at the third stage, the load power is 50%. |
| 8 | Night: the fourth stage is morning time, the power is 30%. **Tip: because of the total setting time(12h) exceeds the night time, The load hasn't been shut, But the light is on over the night.** |
| 9 | Daytime：The solar panel voltage is higher than light-operated voltage, Close the load after delay. The battery voltage will raise contemporary. |

**System State Record:**

DH series controller can record the operation status of the whole system, including operation day, over discharge time, full charged time, etc. It can also record the change of battery voltage weekly, gives the customer clearer knowledge of the system. Users need to use remote control to read its operation status, when read successfully; the data will be recorded in the remote control.

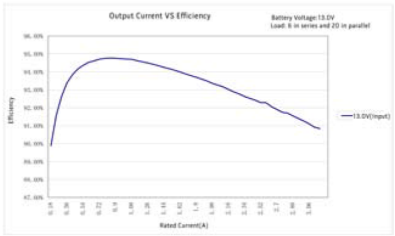
**Installation Dimension:**



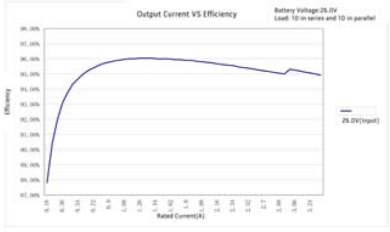
1.The size of DH100 is as follows：
Boundary dimension：82×100×20(mm)
Installation dimension：86×75(mm)
Installation aperture：3.5(mm)
2.The size of DH50 and DH20：
Boundary dimension：82×58×20(mm)
Installation dimension：43×75(mm)
Installation aperture：3.5(mm)

**Typical Efficiency Curve:**

**1.12V system**




**2.24V system**




**The Parameters:**

| Parameter name | Parameter value | | | Adjustable | Default value |
|---|---|---|---|---|---|
| **Model** | DH100 | DH50 | DH20 | | |
| **System voltage** | 12V/24V | 12V/24V | 12V | | |
| **Output power** | 50W/12V 100W/24V | 30W/12V 50W/24V | 20W | | |
| **Output current** | 0.15A ～ 3.3A | 0.15A ～ 1.98A | 0.15A ～ 1.67A | √ | 330mA |
| **No-load loss** | 9mA/12V; 12mA / 24V | | 9 mA /12V | | |
| **Charging current** | 15A | 8A | 5A | | |
| **Solar input voltage** | ＜55V | | ＜30V | | |
| **Efficiency of constant current** | 90% ～ 96% | | | | |
| **Overvoltage protection** | 16.0V；×2/24V | | | | |
| **Charging limits voltage** | 15.5V；×2/24V | | | | |
| **Equal charging voltage** | 15.2V；×2/24V（25℃） | | | | |
| **Equal charging interval** | 30 days | | | | |
| **Ascending charging voltage** | 14.2V ～ 15.0V；×2/24V（25℃） | | | √ | 14.4V |
| **Float charging voltage** | 13.2V ～ 14.0V；×2/24V（25℃） | | | √ | 13.8V |
| **over-discharging recover voltage** | 12.0V ～ 13.0V；×2/24V | | | √ | 12.6V |
| **over-discharging voltage** | 9.8V ～ 11.8V；×2/24V | | | √ | 11.0V |
| **Temperature compensation** | -4.0mv/℃/2V； | | | | |
| **Current precision** | ±3%（Load current＞300mA） | | | | |
| **Load output voltage** | ＜60V | ＜60V | ＜60V | | |
| **over-temperature protection** | ambient temperature:80 ℃ (load drop power) | | | | |
| **overheat protection** | internal temperature:120℃(Load off) | | | | |
| **light control voltage** | 5V ～ 11V | | | √ | 5V |
| **light control delay** | 5min ～ 50min | | | √ | 5min |
| **Working temperature** | -35℃ ～ +65℃； | | | | |
| **Protection level** | IP68 | | | | |
| **Weight** | 280g | 170g | 160g | | |
| **Dimension（mm）** | 100*82*20 | 58*82*20 | | | |

**Faults and Solutions**

| Faults | Solutions |
|---|---|
| After open circuit of the load, it has no output when reconnect. | Check out if the connection is correct and reliable, wait for 10s until the load is on. |
| After debugging short circuit of the load, it has no output. | When the load is short circuit, wait for 1min until the load is reopened. |
| The light of storage battery flashes quickly without any output. | The storage battery has been over discharged, when charging to the return voltage of over discharge, it will self-recovered. |
| The indicator light of the solar panel is off even if there has sunshine. | Check out if the connection of the solar panel is correct and reliable, or if the solar panel is under sunshine. |
| The load current hasn't reach to the set value. | Check if the current value has exceeded the rated current of the controller. |

Tips：The detail parameters and status please refer to the specification of SR-CU-D.

**DH20 DH50 photo**


**DH100 photo**

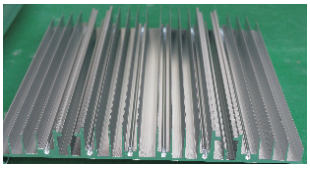
# LED STREET LIGHT FEATURES

## The LED Series is your best choice for energy - Efficient, Environmentally Friendly Lighting for roads, highways and thoroughfares.

- Enhance Safety and Productivity
- Reduce Energy Consumption
- Cut overall Cost of Ownership
- Meet rising Environmental Standards

### Safe, Reliable Heat Transfer

The heat sink was designed to perform in high ambient temperatures up to 65°C and as low as -40°C. The thick walls of the castings make for a tough, rugged housing that keeps the internal driver and LED temperatures down, allowing them to perform flawlessly, and protects them from damage. Separated driver and LED housing allows dust to shed from fixture.



### Precise Optic Lens

In high intensity glass material, providing high uniformity and optimal luminaire spacing. The optical system optimizes the light distribution, eliminating the waste of light, increasing the reasonable and effective using of light.

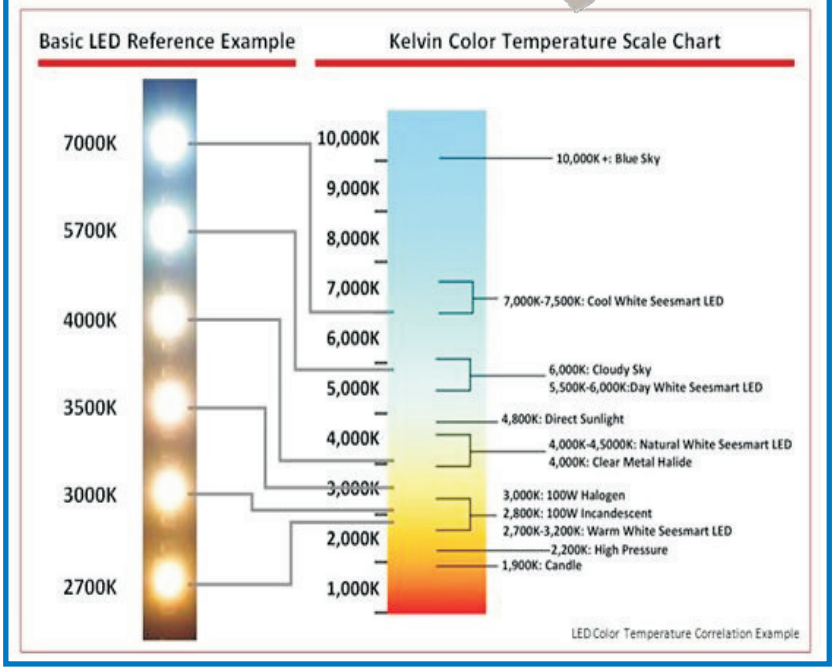


### Stainless Steel Screws

Used in the whole fitting, no corrosion problems!

### Optional Equipment

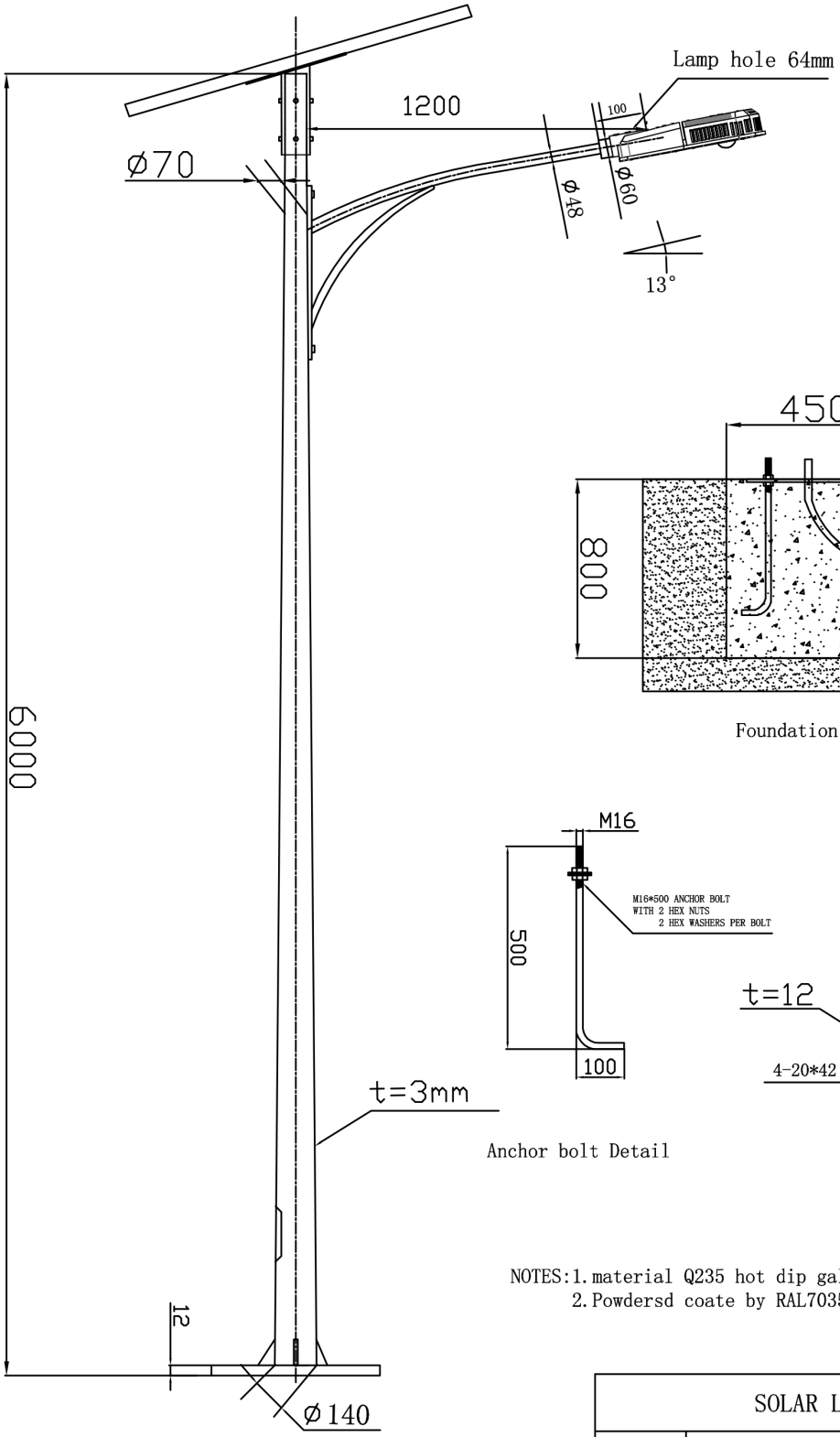
Cool (C) and Warm (W) white colour temperatures and different housing colours available (on request).

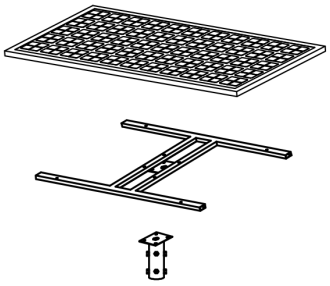



### High Efficiency and Lumen Output

High efficiency drivers and LED arrays provide reliable low cost operation. Components were chosen to give industry-leading light output from the LED.

# DIMENSIONS



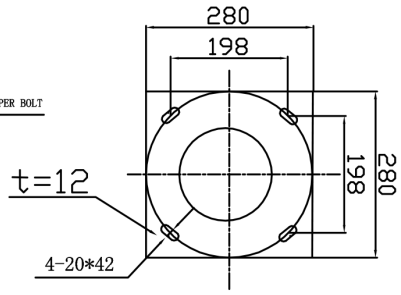
SOLAR PANEL BRACKET DETAILS




Foundation Detail




Anchor bolt Detail




Base Plate

NOTES:1. material Q235 hot dip galvanized steel
2. Powdersd coate by RAL7035

| SOLAR LIGHTING CO., LTD. | | | |
|---|---|---|---|
| PRODUCT NAME | SINGLE ARM SOLAR STREET LIGHT | MATERIAL | Q235 |
| Approval | | | |
| DATE | | UNIT | MM |

Note regarding Foundation: ACDC suggests that the client find local contractors and land engineers to survey the land and give their opinion of whether the soil can support the wind bearing load of the poles. ACDC only provide indicative information related to the size and design of the concrete foundation.

ACDC DYNAMICS
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# PRODUCT
# SPECIFICATION SHEET



**NATIONAL CONTACT CENTRE**

| | |
|---|---|
| Sales Centre | 010 202 3400 |
| Technical | 010 202 3500 |

**BRANCH CONTACT DETAILS**

| | |
|---|---|
| Johannesburg | 010 202 3300 |
| Germiston | 011 418 9600 |
| Cape Town | 021 510 0710 |
| Pinetown | 031 700 4215 |
| Riverhorse | 031 492 4800 |

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