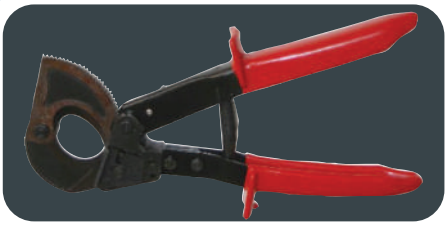
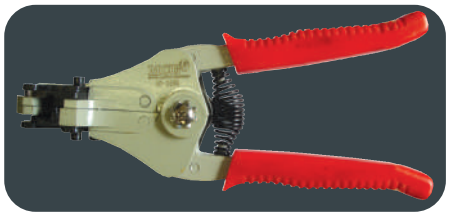


CC-325 HAND HELD CABLE CUTTERS
Up to 150mm Copper & Aluminium Cable

HS-250 HAND HELD CABLE CUTTERS
Up to 240mm Copper & Aluminium Cable

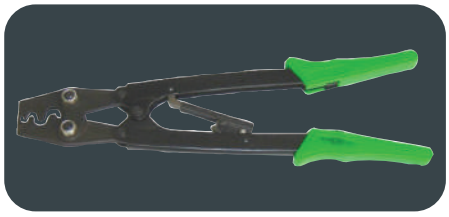
HS-700D WIRE STRIPPER
For wire size: 1mm - 3,2mm



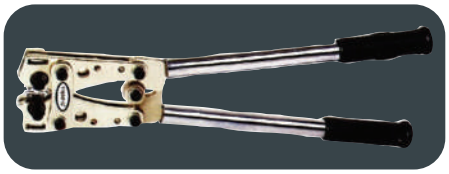
HY-369 WIRE STRIPPER
For wire size: 1mm-3,2mm

HS-30J INSULATED CRIMPING PLIERS
For wire size: 0,5mm; 1mm; 1,5mm; 2,5mm; 4mm; 6mm; 10mm

HS-101 UNINSULATED CRIMPING PLIERS
For wire size: 1,5mm; 2,5mm; 4mm; 6mm; 10mm



HD-25L CRIMPING PLIERS
For wire size: 5,5mm - 25mm



JY-16120 MECHANICAL CRIMPING PLIERS
For wire size: 16mm - 120mm hexagonal crimp

YQK-240 HYDRAULIC CRIMPING PLIERS
For wire size: 16mm-240mm hexagonal crimp. Complete with dies

SKY15 HYDRAULIC PUNCH & DIE SET
This hand operated punch and die set is complete in a sheet steel case. A set of round and square punches is included in the set.
Suitable for cutting Mild Steel of up to 3mm thick.

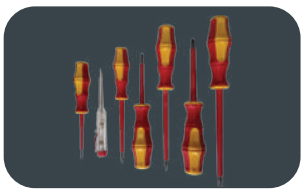
Square Punch & Die
45 x 45 for 48² Instruments
68 x 68 for 72² Instruments
92 x 92 for 96² Instruments

Round Punch & Die
Diameter: 22mm
35mm
40mm
50mm

ST-230
Socket tester.
203V at 50Hz
Measurement Category: CAT III, 300V
RCD test Time: 60~300ms

MCE-SS113
VDE Specialised Screwdriver Set
13 Piece
1000V Safe IEC 60900
Interchangeable screwdriver heads
Storage Case

MCE-SS113-SH
Spare Screw Driver Handle



MCE-SS114
VDE Specialised Screwdriver Set
7 Piece
1000V Safe IEC 60900

NEW!

MCE-SSR36
Ratchet Screwdriver & Socket Set
36 Piece : 1Pc Ratchet Screwdriver, 25Pcs Bits (6.35x25mm), 1Pc ADP & 9Pcs 1/4" Sockets (4mm - 12mm)

NEW!

600W 12V PURE SINE WAVE INVERTER WITH CHARGER

MCE-P600-12-CH

FITTED WITH 16A RSA PLUG SOCKETS

INVERTER SECTION: POWER: 600W, INPUT VOLTAGE: 12V, OUTPUT VOLTAGE: 220-240V

CHARGER SECTION: AC INPUT VOLTAGE: 190-265V, DC OUTPUT VOLTAGE: 12V, MAX CHARGING CURRENT: 10A, BYPASS SWITCHING TIME: ≤15ms

The backup time is directly proportionate to the battery size and load connected. Not Suitable For Lithium Batteries

Avoid Connecting To The Following Items:
Heating Elements e.g Geysers, Kettles etc, Air Conditioners, Washing Machines, Tumble Driers, Dishwashers, Pool Motors

NEW!

1000W 12V PURE SINE WAVE INVERTER WITH CHARGER

MCE-P1000-12-CH

FITTED WITH 16A RSA PLUG SOCKETS

INVERTER SECTION: POWER: 1000W, INPUT VOLTAGE: 12V, OUTPUT VOLTAGE: 220-240V, 50Hz

CHARGER SECTION: AC INPUT VOLTAGE: 190-265V, DC OUTPUT VOLTAGE: 12V, MAX CHARGING CURRENT: 10A, BYPASS SWITCHING TIME: ≤25ms

The backup time is directly proportionate to the battery size and load connected. Not Suitable For Lithium Batteries

Avoid Connecting To The Following Items:
Heating Elements e.g Geysers, Kettles etc, Air Conditioners, Washing Machines, Tumble Driers, Dishwashers, Pool Motors

NEW!

1000W 24V PURE SINE WAVE INVERTER WITH CHARGER

MCE-P1000-24-CH

FITTED WITH 16A RSA PLUG SOCKETS

EXTRA BATTERY LINK WIRE FOR 24V WIRING

INVERTER SECTION: POWER: 1000W, INPUT VOLTAGE: 24V, OUTPUT VOLTAGE: 220-240V, 50Hz

CHARGER SECTION: AC INPUT VOLTAGE: 190-265V, DC OUTPUT VOLTAGE: 24V, MAX CHARGING CURRENT: 5A, BYPASS SWITCHING TIME: ≤25ms

The backup time is directly proportionate to the battery size and load connected. Not Suitable For Lithium Batteries

Avoid Connecting To The Following Items:
Heating Elements e.g Geysers, Kettles etc, Air Conditioners, Washing Machines, Tumble Driers, Dishwashers, Pool Motors

NEW!

2000W 12V PURE SINE WAVE INVERTER WITH CHARGER

MCE-P2000-12-CH

FITTED WITH 16A RSA PLUG SOCKETS

INVERTER SECTION: POWER: 2000W, INPUT VOLTAGE: 12V, OUTPUT VOLTAGE: 220-240V, 50Hz

CHARGER SECTION: AC INPUT VOLTAGE: 190-265V, DC OUTPUT VOLTAGE: 12V, MAX CHARGING CURRENT: 15A, BYPASS SWITCHING TIME: ≤25ms

The backup time is directly proportionate to the battery size and load connected. Not Suitable For Lithium Batteries

Avoid Connecting To The Following Items:
Heating Elements e.g Geysers, Kettles etc, Air Conditioners, Washing Machines, Tumble Driers, Dishwashers, Pool Motors

NEW!

2000W 24V PURE SINE WAVE INVERTER WITH CHARGER

MCE-P2000-24-CH

FITTED WITH 16A RSA PLUG SOCKETS

EXTRA BATTERY LINK WIRE FOR 24V WIRING

INVERTER SECTION: POWER: 2000W, INPUT VOLTAGE: 24V, OUTPUT VOLTAGE: 220-240V, 50Hz

CHARGER SECTION: AC INPUT VOLTAGE: 190-265V, DC OUTPUT VOLTAGE: 24V, MAX CHARGING CURRENT: 8A, BYPASS SWITCHING TIME: ≤25ms

The backup time is directly proportionate to the battery size and load connected. Not Suitable For Lithium Batteries

Avoid Connecting To The Following Items:
Heating Elements e.g Geysers, Kettles etc, Air Conditioners, Washing Machines, Tumble Driers, Dishwashers, Pool Motors

FEATURES:

- Ultra-Fast Transfer Function : Reduces The Transfer Time Between Bypass & Inverter Mode Thus Reducing Potential Voltage Drops.
- 100% Pure Sine Wave Output.
- Universal Protection Circuit: Overloads, Overheating, Earth Faults, Short Circuits, Over-Voltage, Low-Voltage, Reverse Polarity (internal fuse protection) & Overcharge.
- Turbo Cooling : The Cooling Fans Start Automatically Under Load Keeping The Inverter Cool For Peak Performance.
- Highly Efficient : Low Energy Self-Consumption.
- Automated 3 Stage Internal Battery Charger: Extends The Operational Life-Time Of Your Battery.
- UPS Function : Uninterrupted Power Supply.
- Flexibility : Decide On Your Own Backup Time By Choosing Your Own Battery Sizes.
- AVR Function : Wide Range Of AC Input Voltages. Regulated Output Voltage.

IMPORTANT NOTICE ON INVERTER USAGE:

Due to the sensitive electronic components of this device, it is suggested that a proper Load test isconducted by a suitably qualified electrician to ascertain if the unit is correctly sized to run the desired appliances. Some Appliances that should not be connected would be: Microwaves, Stoves , Kettles, Hairdryers, Power tools, Heaters, Air conditioners, Fans, Pumps, Motors, etc , as these appliance can have anything from 2 to 6 times the start up Current than their Rating in Watts.This will cause the Inverter to attempt to stop the Unit from Overloading, but if the current is toohigh it will blow the protection Fuses, and it will damage the PCB Board and thus Void the warranty.This Inverter should also be installed by a qualified Electrician, and if not, MCE Electric will not be liable for any damages caused, or Warranty Claims, due to unqualified persons connecting the unit incorrectly or withput a proper load test.

NEW!

CODE	MAX CHARGING CURRENT	INPUT AC	OUTPUT DC
MCE3-1210	10A	190-265V	12V
MCE3-1220	20A	190-265V	12V
MCE3-2410	10A	190-265V	24V

NOT SUITABLE FOR LITHIUM BATTERIES

FEATURES:

AUTOMATIC 3 STAGE BATTERY CHARGER

- On/Off Switch.
- Wide Single Phase Range: It Is Able To Handle A Wide AC Single Phase Range.
- Battery Status Indicators: Red LED displays "Fault"
  Green LED displays "Power On"
  White LED (Dual Colour) Red Indicates Charging, While Green Displays Float Charge.
- Short Circuit Protection : Charger Output Cuts Off Automatically When Reverse Polarity Occurs (Indicated by a blown Fuse).
- Overload Protection: Charger Output Cuts Off Automatically When Overload Condition Occurs.
- Overcharge Protection: Constant Voltage & Constant Current Output Prevent Overcharging.
- Compact High Frequency Technology & Reliability.
- Strong Ergonomics Aluminium Housing With Excellent Cooling Efficiency.
- Soft Start Bulk Charge

NEW!

CODE	MAX CHARGING CURRENT	INPUT AC	OUTPUT DC
MCE7-1210	10A	190-265V	12V
MCE7-1220	20A	190-265V	12V
MCE7-2410	10A	190-265V	24V
MCE7-2420	20A	190-265V	24V

NOT SUITABLE FOR LITHIUM BATTERIES

AUTOMATIC 7 STAGE BATTERY CHARGER WITH SWITCHING MODE

FEATURES:

- LED Digital Display: U: Battery Voltage, I: Charge Current, C: 7 Charging Stage, P: Overheat Protection.
- LED Indicators: AGM/GEL/WET Battery.
- Numerous Protection Functions: Overheat, Overcharge, Short Curcuit, Soft Start, Internal Temperature Compensation, Reverse Polarity & Overcharge Protection.
- 7 Stage Charging: C-1: Desulpation, C-2: Soft Start, C-3: Bulk (Constant Current), C-4: Absortion (Constant Voltage), C-5: Battery Test, C-6: Recondition & C-7: Float.

PORTABLE BATTERY BOXES

NEW!

MCE-BB-HO

Suitable For :
• Home Use
• Loadshedding
• Powering Essential Appliances & Devices.

Must Be Connected To A Suitable Inverter.

1 x 60A Fuse, 2 x 12V DC Power Socket
2 x 5V USB Charger Sockets (1 x 2.1A & 1 x 1A)
1 x 12V Digital voltmeter, 1 x 16A Circuit Breaker Switch (For Sockets), Positive & Negative Terminals.

BATTERY EXCLUDED

SUITABLE BATTERY :
325 x 200 x 185 ≤ 100Ah

NEW!

MCE-BB-OD

Suitable For :
• Outdoor Use
• Camping Fridges 12VDC
• Powering Cell Phones, Tables & Laptops
• Can Be Charged By Solar Panel & Controller (To Be Bought Seperately).

Must Be Connected To A Suitable Inverter.

1 x 60A Fuse, 1 x 12V DC Power Socket
2 x 5V USB Charger Sockets (2 x 2.4A),
1 x 12V Digital Voltmeter ,1 x 16A Circuit Breaker Switch (For Sockets,) 2 x 50A Anderson Sockets, Positve & Negative Terminals

BATTERY EXCLUDED

SUITABLE BATTERY :
325 x 200 x 185 ≤ 100Ah

Supplied with two extra 50A Anderson connectors for connecting devices or appliances, e.g 12VDC Fridge, Solar Controller for Solar Panel, etc.

- ONLY DISCHARGE THE BATTERY TO IT'S MANUFACTURER'S DEPTH OF DISCHARGE (D.O.D.) SPECIFICATIONS PER CYCLES
- ADHERE TO BATTERY MANUFACTURERS MAINTENANCE ROUTINE SHOULD YOUR CHOICE OF BATTERY BE ONE THAT REQUIRES MAINTENANCE.
- TO WORK OUT THE RUNNING TIME OF YOUR BATTERY USE THE FOLLOWING CALCULATION:
  BATTERY CAPACITY (100AH) X INPUT VOLTAGE (12V) DIVIDED BY LOAD POWER (600W) 100AH X 12V ÷ 600W = 2 HOURS BATTERY RUNNING TIME.

EXAMPLE: SHOULD THE BATTERY MANUFACTURER RECOMMEND A D.O.D. OF 50% THEN YOU SHOULD ONLY RUN THE BATTERY FOR 1 HOUR AT 600W TO KEEP WITHIN THE BATTERY'S D.O.D. SPECIFICATION AND SO AS TO NOT SHORTEN YOUR BATTERY'S LIFESPAN.

FOLDABLE TROLLEY

NEW!

MCE-TROL

Foldable Aluminium Trolley
Perfect For Moving Your Battery Box Around.
Max Weight: 70kg

MCE®
ELECTRIC

SOLAR SYSTEMS

MKS OFF-GRID HYBRID INVERTERS

MKS-3K-24VDC & MKS-5K-48VDC

- Pure Sine Wave Inverter
- Output Factor 1
- Buit-in MPPT Solar Charge Controller
- Selectable Input Voltage Range For Home Appliances & Personal Computers
- Selectable Charging Current Based On Applications
- Configurable AC/Solar Input Priority Via LCD Setting
- Compatible To AC Mains or Generator Power
- Battery Equalization for Optimized battery Performance & Lifecycle
- Parallel Operation With Up to 9 Units Only Available for The MKS-5K-48VDC

MODEL	MKS-3K-24VDC	MKS-5K-48VDC
Rated Power	3000VA/3000W	5000VA/5000W
Parallel Capability	No	Yes, 9 units
INPUT		
Voltage	230VAC	
Selectable Voltage Range	170-280VAC (For Personal Computers); 90-280VAC (For Home Appliances)	
Frequency Range	50Hz/60Hz (Auto Sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230vac ±5%	
Surge Power	6000VA	10 000VA
Efficiency (Peak)	93%	
Transfer Time	10ms (For Personal Computers); 20ms (For Home Appliances)	
Waveform	Pure Sine Wave	
BATTERY		
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC (Max 58VDC)
Overcharge Protection	31VDC	60VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Power	600W	4000W
MPPT Range @ Operating Voltage	30VDC - 66VDC	60VDC - 115VDC
Maximum PV Array Open Circuit Voltage	75VDC	145VDC
Maximum Solar Charge Current	25A	80A
Maximum AC Charge Current	30A	60A
Maximum Charge Current	55A	140A
PHYSICAL		
Dimension, DxWxH (mm)	100 x 272 x 355	120 x 295 x 468
Net Weight (kgs)	7.4	13.5
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-Condensing)	
Operating Temperature	0°C to 55°C	
Storage Temperature	-15°C to 60°C	

Product specifications are subject to change without prior notice.

INFINISOLAR ON-GRID HYBRID INVERTERS

INFINISOLAR-3P-10KW

- Self-Consumption & Feed-In to The Grid
- Programmable Supply Priority for PV, Battery or Grid
- User-Adjustable Battery Charging Current Suits Different Types of Batteries
- Programmable Multiple Operations Modes: Grid tie, Off grid & Grid-tie with Backup
- Built-in Timer for Various Mode of On/Off Operation
- Multiple Communication for USB, RS-232, Modbus & SNMP
- Monitoring Software for Real Time Status Display & Control
- Custom-made firmware by ODM contract
- Parallel Operation With Up to 6 Units

MODEL	InfiniSolar 3P 10KW
PHASE	3-phase in / 3-phase out
MAXIMUM PV INPUT POWER	14850 W
RATED OUTPUT POWER	10000 W
MAXIMUM CHARGING POWER	9600 W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range	400 VDC ~ 800 VDC
Number of MPP Trackers / Maximum Input Current	2 / 2 x 18.6A
GRID OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265VAC* per phase
Nominal Output Current	14.5A per phase
Power Factor	> 0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	96%
European Efficiency@ Vnominal	95%
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120 - 140 VAC per phase / 180 VAC per phase
Acceptable Input Voltage Range	170 - 280 VAC per phase
Maximum AC Input Current	40 A
PV INPUT (DC)	
Maximum DC Voltage	900 VDC
MPP Voltage Range	400 VDC ~ 800 VDC
Number of MPP Trackers/ Maximum Input Current	2 / 2 x 18.6A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	230V AC(P-N) 400VAC (P-P)
Output Waveform	Pure Sinewave
Efficiency (DC to AC)	91%
HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range	400 VDC ~ 800 VDC
Number of MPP Trackers/ Maximum Input Current	2 / 2 x 18.6A
GRID OUTPUT (AC)	
Nominal Output Voltage	230VAC (P-N) / 400VAC (P-P)
Output Voltage Range	184 - 265 VAC* per phase
Nominal Output Current	14.5 A per phase
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC per phase / 180 VAC per phase
Acceptable Input Voltage Range	170 - 280 VAC per phase
Maximum AC Input Current	40 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	230VAC (P-N) / 400VAC (P-P)
Efficiency (DC to AC)	91%
BATTERY & CHARGER	
Nominal DC Voltage	48VDC
Maximum Charging Current	Default 60A, 10A - 200A (Adjustable)
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	167.2 x 500 x 622
Net Weight (kgs)	45
INTERFACE	
Communication Port	RS-232/USB
Intelligent Slot	Optional SNMP, Modbus and AS-400 cards available
ENVIRONMENT	
Humidity	0 ~ 90% RH (Non-Condensing)
OperatingT emperature	-10 to 55°C
Altitude	0 ~ 1000 m**

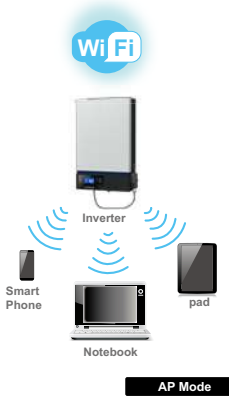
*These figures may vary depending on different AC voltage & country requirements.
**Power derating 1% every 100m when altitude is over 1000m.
Product specifications are subject to change without prior notice.

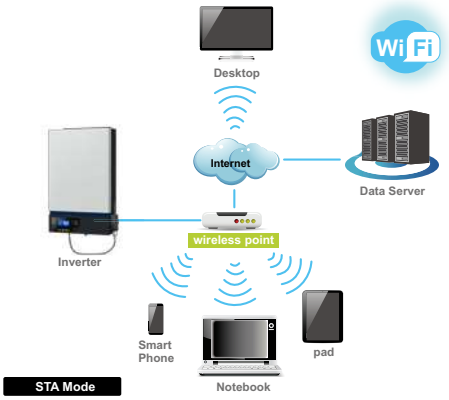
NEW!

WIFI-MOD(AX)

- Real-time Dynamic Graphs of Inverter Data
- Cloud Storage for History Data & Event Log
- Remote Monitoring & Control of Multiple Inverters Via Mobile APP (iOS and Android)
- Parameter Settings Available (output setting, output priority setting, AC input range, battery setting and etc.)

WatchPower WiFi





Wi-Fi Module Specification

MODEL	Wi-Fi Module
Wifi Communication Protocol	802.11 b/g/n
Hardware Encryption	WEP, WPA/WPA2
Wifi Operation Frequency	2.4G
Wifi Wireless Gain	2.5dBi
Wifi Communication Distance	100 meters (open environment)
Maximum Transmit Rate of Wifi	72Mbps
Maximum Transmit Power of Wifi	18.5dbm (70mW)
Software WatchDog	Yes
Local Communication Interface	RS232
Network Layer Communication Protocol	Modbus TCP
Working Mode	AP/STA
Parameter Setting WayM	obile APP
External Power Input	5V-12V
Power Consumption	2 watt (max.)
Operating Temperature	-20°C ~ 75°C
Operating Humidity	0 ~ 95%
Storage Temperature	-30°C to 80°C
Dimension, D x W x H (mm)	28 x 46 x 172
Net Weight (g)	120

NEW!

PARALLEL BOARD

Parallel Boards Available for The MKS-5K-48VDC

P-BOARD-(AX5K)

STP-370S 370 WATT MONOCRYSTALLINE SOLAR MODULE (72 CELL)

Features

High module conversion efficiency
Module efficiency up to 19.5% achieved through advanced cell technology & manufacturing capabilities.

High PID resistance
Advanced cell technology & qualified materials lead to high resistance to PID.

Positive tolerance
Positive tolerance of up to 5W delivers higher output reliability.

Current sorting process
System output maximized by reducing mismatch losses up to 2% with modules sorted & packaged by amperage.

Extended load tests
Module certified to withstand front side maximum static test load (5400 Pascal) & rear side maximum static test loads (3800 Pascal)*.

Withstanding harsh environments
Reliable quality leads to a better sustainability even in harsh environments like deserts, farms and coastlines.

Dimensions: 1960 x 992 x 40mm

Trust Suntech to Deliver Reliable Performance Over Time

- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivaled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards: ISO 9001: 2008, ISO 14001: 2004 and ISO17025:2005
- Regular independently checked production process from international accredited institute/company
- Test for harsh environments (salt mist, ammonia corrosion and sand blowing testing: IEC 61701, IEC 62716, DIN EN 60068-2-68***
- Long-term reliability tests
- 2 x 100% EL inspection ensuring defect-free

Special 5 busbar design

The unique cell design leads reduction in electrodes resistance, shading area and raise in conversion efficiency. Residual stress distribution can be more even, reducing the micro-cracks risks

Industry-leading Warranty based on nominal power

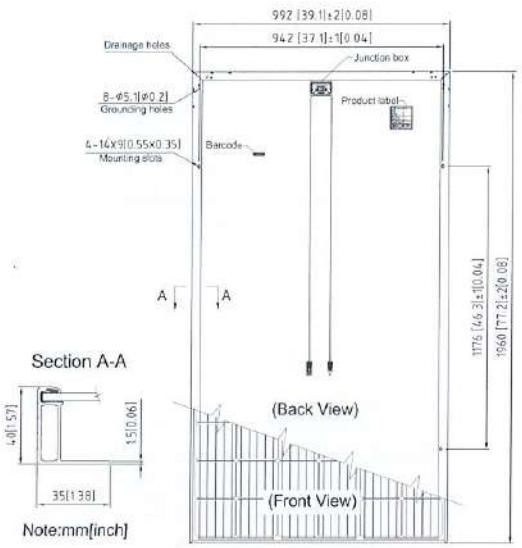
- 97.5% in the first year, thereafter, for years 2 through to 25, 0.7% maximum decrease from Modules nominal power output per year, ending with the 80.7% in the 25th year after the defined WARRANTY STARTING DATE.****
- 12-year warranty
- 25-year linear performance warranty

IP68 Rated Junction Box

The Suntech IP68 rated junction box ensure an outstanding waterproof level,supports installations in all orientations and reduces stress on the cables. High reliable performance, low resistance connectors ensure maximum output for the highest energy production.

*Please refer to Suntech Standard Module Installation Manual for details.
**Please refer to Suntech Near-coast Installation Manual for details.
***Please refer to Suntech Product Warranty for details
**WEEE only for EU market.

DATA SHEET FOR STP-370S 370 WATT MONOCRYSTALLINE SOLAR MODULE (72 CELL)



Electrical Characteristics

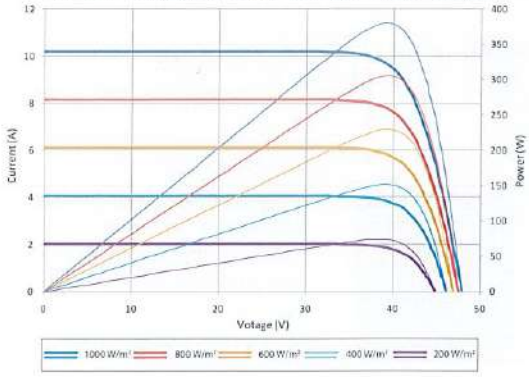
STC	STP380S-24/ Vfw	STP375S-24/ Vfw	STP370S-24/ Vfw
Maximum Power at STC (Pmax)	380 W	375 W	370 W
Optimum Operating Voltage (Vmp)	40.1 V	39.9 V	39.7 V
Optimum Operating Current (Imp)	9.48 A	9.40 A	9.32 A
Open Circuit Voltage (Voc)	48.5 V	48.3 V	48.1 V
Short Circuit Current (Isc)	9.93 A	9.85 A	9.78 A
Module Efficiency	19.5%	19.3%	19.0%
Operating Module Temperature	-40 °C to +85 °C		
Maximum System Voltage	1000/1500 V DC (IEC)		
Maximum Series Fuse Rating	20 A		
Power Tolerance	0/+5W		

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5;
Tolerances of Pmax is +/- 3%, Voc and Isc are all within +/- 5%.

NMOT	STP380S-24/ Vfw	STP375S-24/ Vfw	STP370S-24/ Vfw
Maximum Power at NMOT (Pmax)	284.7 W	280.4 W	276.7 W
Optimum Operating Voltage (Vmp)	37.4 V	37.1 V	36.9 V
Optimum Operating Current (Imp)	7.62 A	7.56 A	7.50 A
Open Circuit Voltage (Voc)	45.3 V	45.0 V	44.9 V
Short Circuit Current (Isc)	8.03 A	7.96 A	7.90 A

NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s;

Current-Voltage & Power-Voltage Curve (380S)



Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42±2°C
Temperature Coefficient of Pmax	-0.37 %/°C
Temperature Coefficient of Voc	-0.34 %/°C
Temperature Coefficient of Isc	0.060 %/°C

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 6 inches
No. of Cells	72 (6 × 12)
Dimensions	1960 × 992 × 40mm (77.2 × 39.1 × 1.6inches)
Weight	22.1 kgs (48.7 lbs.)
Front Glass	3.2 mm (0.13 inches) tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	4.0 mm² (0.006 inches²), symmetrical lengths (-) 1100mm (43.3inches) and (+) 1100 mm (43.3 inches)
Connectors	MC4 compatible(1000V) MC4 EVO2, Cable 01S (1500V)

Made For The STP-370S Panels Only

NEW!

DOMESTIC TILE ROOF MOUNTING KITS

CODE	NO OF PANELS
2RMKIT-TI	2
3RMKIT-TI	3
4RMKIT-TI	4
5RMKIT-TI	5

KIT INCLUDES

- Profiles
- Penetrating Tile Brackets
- Framed PV panel clamps & Fasteners for structure assembly

NEW!

IBR ROOF MOUNTING KITS

CODE	NO OF PANELS
2RMKIT-IBR	2
3RMKIT-IBR	3
4RMKIT-IBR	4
5RMKIT-IBR	5

KIT INCLUDES

- Profiles
- Brackets For Installation Across The Rib
- Framed PV panel clamps & Fasteners for structure assembly

NEW!

CORRUGATED ROOF MOUNTING KITS

CODE	NO OF PANELS
2RMKIT-COR	2
3RMKIT-COR	3
4RMKIT-COR	4
5RMKIT-COR	5

KIT INCLUDES

- Profiles
- Penetrating Corrugated Brackets
- Framed PV panel clamps & Fasteners for structure assembly

NEW!

KLIPLOCK ROOF MOUNTING KITS

CODE	NO OF PANELS
2RMKIT-KL	2
3RMKIT-KL	3
4RMKIT-KL	4
5RMKIT-KL	5

KIT INCLUDES

- Profiles
- Kliplock Brackets
- Framed PV panel clamps & Fasteners for structure assembly

CALL US FOR GROUND, CARPORT, POLE MOUNTING & COMMERCIAL SOLUTIONS

NEW!

PWM SOLAR CHARGE CONTROLLER

CODE	MAX CHARGING CURRENT
MCESC-1210	10A
MCESC-1220	20A
MCESC-1230D	30A

MCESC-1210/MCESC-1220

MCESC-1230D

FEATURES:

- Built-In Industrial Micro Controller.
- LCD Display.
- Full 3 Stage PWM Charge Management.
- Built-In Short-Circuit Protection, Open Circuit Protection, Reverse Protection & Overload Protection.
- Dual Mosfet Reverse Current Protection, Low Heat Production.
- 2 x USB Charging Ports (MCESC-1210 & 1220 Only)
- Can Auto Detect 12VDC or 24VDC System Voltage.
- Adjustable Parameters.

FEATURES:

- Can Auto Detect 12VDC or 24VDC System Voltage
- Large Easy To Read LCD Display With Menu To Show: Battery Voltage, PV Charge Current In Amps, Load Discharge Current In Amps, Total PV Charge Current In Ah, Total PV Discharge Current In Ah.
- 3 Settable Sub-Menu's: Constant Voltage charging, Low Voltage Disconnect & Low Voltage Re-Connect.
- Full Electronic Protection (Reverse Polarity, Over Current, Short Circuit, Over Temperature, Reverse Current).
- Temperature Compensated, 3 Stage I-U Curve Charge Regulation.
- Dual Terminals For Solar Panels Input.
- Able To Charge Lead Acid, AGM and GEL batteries.

SYSTEM CONNECTION:

1. Connect The Battery To The Charger Regulator - Plus & Minus.
2. Connect the Photovoltaic Module To The Regulator - Plus & Minus.
3. Connect The Load To The Charge Regulator - Plus & Minus.

IMPORTANT:

- The Reverse Order Applies When Disconnecting The Unit.
- An Improper Sequence Order Will Damage The Controller.
- **Not Suitable For Lithium Iron Battery Charging**

NEW!

PVCAB-4B
PVC Black, 1x4mm², 200 Meters Cable

PVCAB-4R
PVC Red, 1x4mm², 200 Meters Cable

PVCAB-6B
PVC Black, 1x6mm², 200 Meters Cable

PVCAB-6R
PVC Red, 1x6mm², 200 Meters Cable

SOLD IN 200M ROLLS ONLY

NEW! PANEL MOUNT

ON4C-1500PM-4
IP68 Male Connector 1500VDC Max 40A, 4mm², 16kV Impulse Withstand Voltage, V-0/5VA 4mm² Snap-In Rivet for Connector,Flame Class & Safety Class 2.

ON4C-1500PM-6
IP68 Male Connector 1000VDC Max 40A, 6mm², 16kV Impulse Withstand Voltage, V-0/5VA 4mm² Snap-In Rivet for Connector, Flame Class & Safety Class 2.

NEW! PANEL MOUNT

ON4C-1500PF-4
IP68 Female Connector 1500VDC Max 40A, 4mm², 16kV Impulse Withstand Voltage, V-0/5VA 4mm² Snap-In Rivet for Connector,Flame Class & Safety Class 2.

ON4C-1500PF-6
IP68 Female Connector 1000VDC Max 40A, 6mm², 16kV Impulse Withstand Voltage, V-0/5VA 4mm² Snap-In Rivet for Connector, Flame Class & Safety Class 2.

NEW! IN-LINE

OC4C-1500-4
IP67 Connector 1500VDC Max 40A, 4mm², 16kV Impulse Withstand Voltage, V-0/5VA Flame Class & Safety Class 2

OC4C-1500-6
IP67 Connector 1500VDC Max 40A, 6mm², 16kV Impulse Withstand Voltage, V-0/5VA Flame Class & Safety Class 2

NEW!

PV-ONBC2-FM
IP67 2 Branch Cable: 1 Female 2 Male, Main Cable: 60cm, Branch Cable: 10cm, Pin: 4mm, 1500VDC 30A, Safety Class 2

NEW!

PV-ONBC2-MF
IP67 2 Branch Cable: 1 Male 2 Female, Main Cable: 60cm, Branch Cable: 10cm, Pin: 4mm, 1500VDC 30A, Safety Class 2

NEW! FUSED IN-LINE

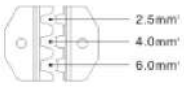
ONCTF-4C
IP68 Fused Connector 1000VDC Max 20A, 6mm², 8kV Impulse Withstand Voltage, V-0/5VA Flame Class & Safety Class 2

NEW!

S002 WIRE STRIPPER
For wire size: 2,5mm-6mm

NEW!

P003 INSULATED SOLAR SYSTEM CRIMPING PLIERS
For wire size: 2,5mm; 4mm; 6mm



NEW!

T001-002 SOLAR SPANNER
Single Solar Spanner For Series 4.0 Connectors

NEW!

SOLAR PV FUSE HOLDER

PVH1-FH	50-160A	1 Pole 1000VDC
PVH2-FH	200-250A	1 Pole 1000VDC
PVH3-FH	315-630A	1 Pole 1000VDC

NEW!

SOLAR PV FUSES

PVH1-50	50A PV Fuse 1000VDC
PVH1-63	63A PV Fuse 1000VDC
PVH1-80	80A PV Fuse 1000VDC
PVH1-100	100A PV Fuse 1000VDC
PVH1-125	125A PV Fuse 1000VDC
PVH1-160	160A PV Fuse 1000VDC
PVH2-200	200A PV Fuse 1000VDC
PVH2-250	250A PV Fuse 1000VDC
PVH3-315	315A PV Fuse 1000VDC
PVH3-400	400A PV Fuse 1000VDC
PVH3-500	500A PV Fuse 1000VDC
PVH3-630	630A PV Fuse 1000VDC

NEW!

FUSE PULLER

PV1-FP	Fuse Puller For The PVH1/2/3 Fuses Only

Solar PV System Protection PVH Series Fuse Link

Type	Rated Voltage(V)	Rated current(A)	Dimensions(mm)							Wiring diagram
			A	B	C	D	E	F	G	
PVH1	DC1000	50,63,80,100,125 & 160	135	75	46	6	46	61	20	Fig.1
PVH2	DC1000	200 & 250	150	75	58	6	58	73	25	Fig.1
PVH3	DC1000	315,400,500 & 630	150	75	69	6	69	83	32	Fig.1

Solar PV System Protection PVH Series Fuse base

Type	Rated Voltage(V)	Class rating(A)	Dimensions(mm)									Wiring diagram
			A	B	C	D	E	F	G	H	K	
PVH1	DC1000	50-160	200	175	25	12	50	35	83	80	30	Fig.2
PVH2	DC1000	200-250	225	200	25	12	50	35	85	80	30	Fig.2
PVH3	DC1000	315-630	240	210	25	12	50	35	88	80	30	Fig.3

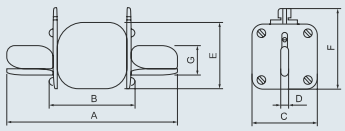


Fig.1

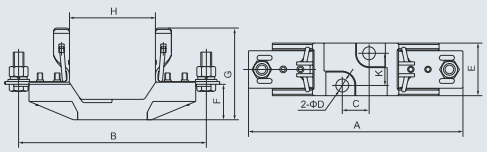


Fig.2

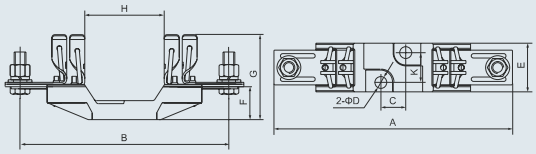
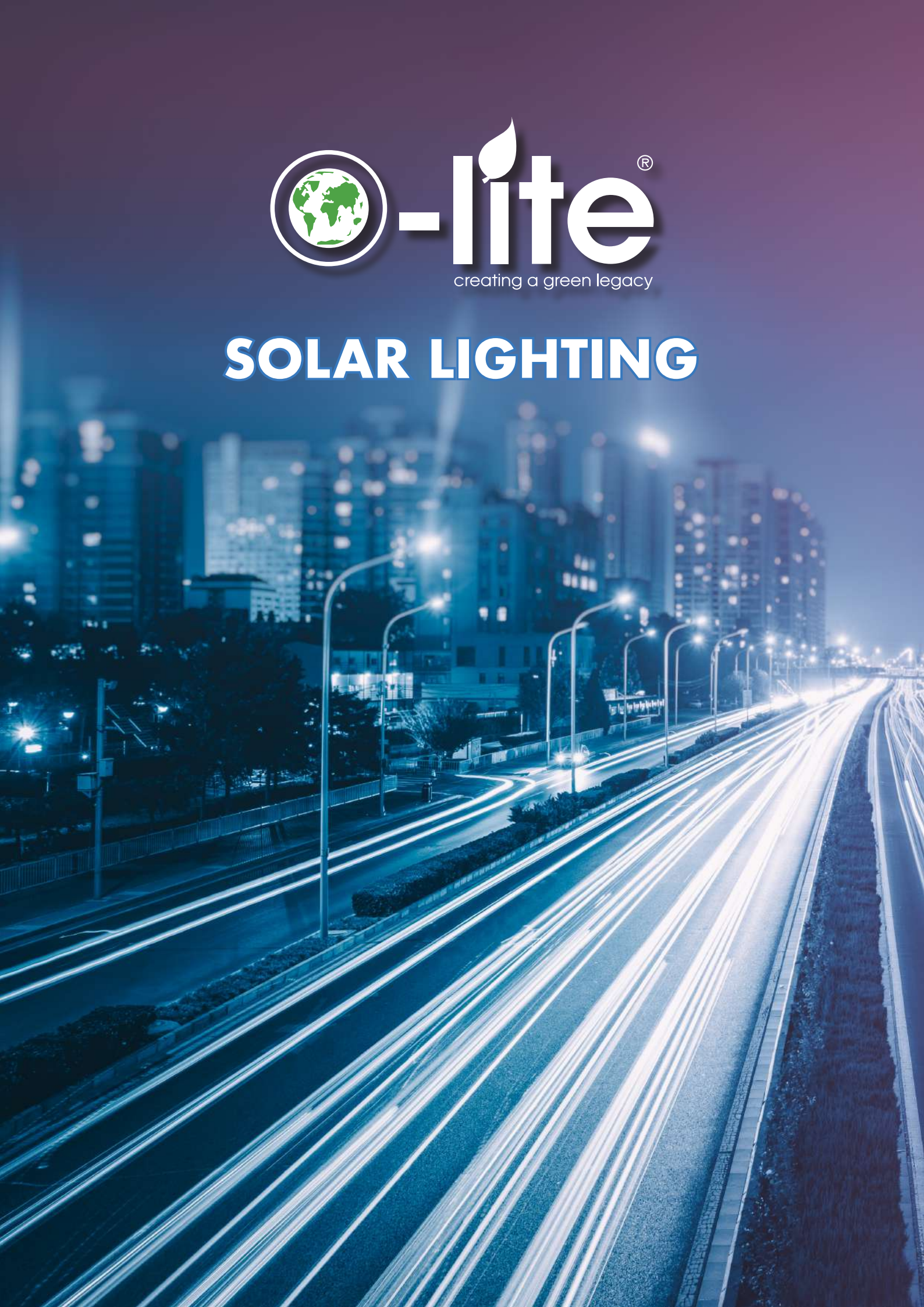


Fig.3

O-lite®

creating a green legacy

SOLAR LIGHTING



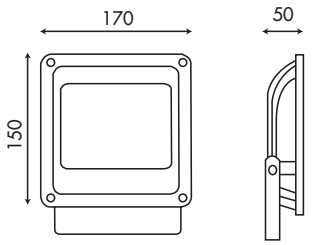
NEW!

25W SOLAR LED FLOODLIGHT

Lithium Iron Phosphate 5AH Battery, 6V/8W Photovoltaic Panel (270 x 180mm), 8-10 Hour Discharge Time, Intelligent Optical Control + Remote Control, Waterproof Cable, U Frame, IP67 ***COOL WHITE (±6000K) BLACK FITTING**

SFL-25W-CW

SIZE:



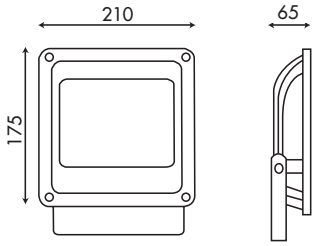
NEW!

40W SOLAR LED FLOODLIGHT

Lithium Iron Phosphate 6AH Battery, 6V/12W Photovoltaic Panel (350 x 235mm), 8-10 Hour Discharge Time, Intelligent Optical Control + Remote Control, Waterproof Cable, U Frame, IP67 ***COOL WHITE (±6000K) BLACK FITTING**

SFL-40W-CW

SIZE:



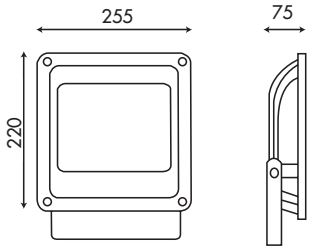
NEW!

60W SOLAR LED FLOODLIGHT

Lithium Iron Phosphate 12AH Battery, 6V/18W Photovoltaic Panel (350 x 350mm), 8-10 Hour Discharge Time, Intelligent Optical Control + Remote Control, Waterproof Cable, U Frame, IP67 ***COOL WHITE (±6000K) BLACK FITTING**

SFL-60W-CW

SIZE:



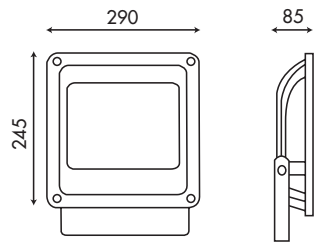
NEW!

100W SOLAR LED FLOODLIGHT

Lithium Iron Phosphate 18AH Battery, 6V/25W Photovoltaic Panel (460 x 350mm), 8-10 Hour Discharge Time, Intelligent Optical Control + Remote Control, Waterproof Cable, U Frame, IP67 ***COOL WHITE (±6000K) BLACK FITTING**

SFL-100W-CW

SIZE:



NEW!

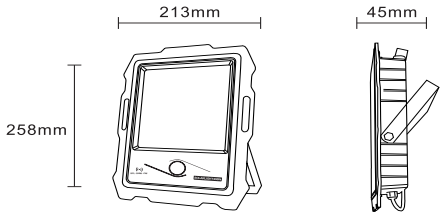
200W SOLAR LED FLOODLIGHT

Lithium Iron Phosphate 18AH Battery, 5V/25W Photovoltaic Panel (430 x 350mm), 8-10 Hour Discharge Time, Brightness Control + Sensor (6-8 Meters Detection Area) + Remote Control, 5 Meter Waterproof Cable, IP65

***COOL WHITE (±6000K) BLACK FITTING**

SFL-200W-CW

SIZE:



NEW!

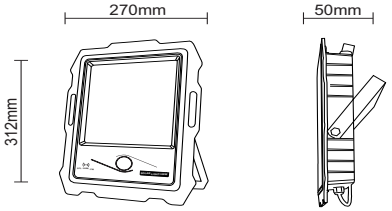
300W SOLAR LED FLOODLIGHT

Lithium Iron Phosphate 24AH Battery, 5V/28W Photovoltaic Panel (500 x 350mm), 8-10 Hour Discharge Time, Brightness Control + Sensor (6-8 Meters Detection Area) + Remote Control, 5 Meter Waterproof Cable, IP65

***COOL WHITE (±6000K) BLACK FITTING**

SFL-300W-CW

SIZE:



NEW!

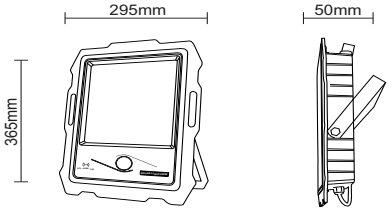
400W SOLAR LED FLOODLIGHT

Lithium Iron Phosphate 30AH Battery, 5V/35W Photovoltaic Panel (580 x 350mm), 8-10 Hour Discharge Time, Brightness Control + Sensor (6-8 Meters Detection Area) + Remote Control, 5 Meter Waterproof Cable, IP65

***COOL WHITE (±6000K) BLACK FITTING**

SFL-400W-CW

SIZE:



NEW!

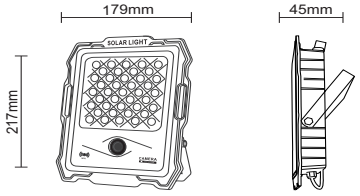
100W SOLAR LED FLOODLIGHT WITH WI-FI CCTV CAMERA

Lithium Iron Phosphate 18Ah Battery, 5V/20W Photovoltaic Panel (350 x 350mm), 12-14 Hour Discharge Time, Brightness Control + Sensor (6-8 Meters Detection Area) + Remote Control, Wi-Fi, 4mm 1080P Camera, 5 Meter Cable, IP65

***COOL WHITE (±6000K), BLACK FITTING**

CCTV-SFL-100W-CW

SIZE:



NEW!

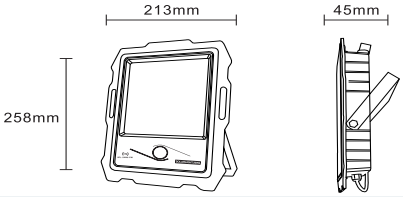
200W SOLAR LED FLOODLIGHT WITH WI-FI CCTV CAMERA

Lithium Iron Phosphate 24Ah Battery, 5V/28W Photovoltaic Panel (500 x 350mm), 12-14 Hour Discharge Time, Brightness Control + Sensor (6-8 Meters Detection Area) + Remote Control, Wi-Fi, 4mm 1080P Camera, 5 Meter Cable, IP65

***COOL WHITE (±6000K), BLACK FITTING**

CCTV-SFL-200W-CW

SIZE:



NEW!

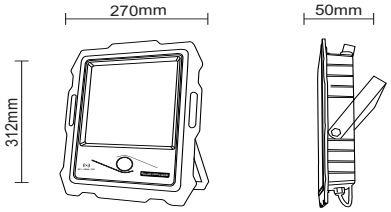
300W SOLAR LED FLOODLIGHT WITH WI-FI CCTV CAMERA

Lithium Iron Phosphate 30Ah Battery, 5V/35W Photovoltaic Panel (580 x 350mm), 12-14 Hour Discharge Time, Brightness Control + Sensor (6-8 Meters Detection Area) + Remote Control, Wi-Fi, 4mm 1080P Camera, 5 Meter Cable, IP65

***COOL WHITE (±6000K), BLACK FITTING**

CCTV-SFL-300W-CW

SIZE:



NEW!

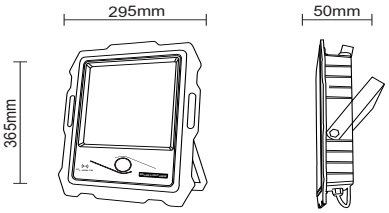
400W SOLAR LED FLOODLIGHT WITH WI-FI CCTV CAMERA

Lithium Iron Phosphate 42Ah Battery, 5V/40W Photovoltaic Panel (630 x 350mm), 12-14 Hour Discharge Time, Brightness Control + Sensor (6-8 Meters Detection Area) + Remote Control, Wi-Fi, 4mm 1080P Camera, 5 Meter Cable, IP65

***COOL WHITE (±6000K), BLACK FITTING**

CCTV-SFL-400W-CW

SIZE:



These lights support offsite monitoring via Wi-Fi (ensure that wi-fi signal strenght is sufficient) using a smart phone application.

Download the App "TuyaSmart"

50W INTEGRATED SOLAR LED WALL/POLE LIGHT

L:1210xW:345xH:50mm

50W LED (110lm per Watt), 29Ah 12V Battery, Solar Panel 70W/18V, *7hour Charge Time, Work Temp -30°C to 60°C, Aluminium Alloy + PC Lens, IP65,

6-7,5M INSTALLATION HEIGHT WALL/POLE,
****COOL WHITE (±6500K)***
ALUMINIUM ALLOY

LED-SSL-IN-250

This product is made up of integrated parts (solar panel, lithium battery, LED, MPPT controller & human intelligence induction system)
Can be installed in gardens, residential areas, courtyards, roads & parking lots.

*POLE EXCLUDED

7 HOUR CHARGE TIME IS BASED ON CLEAR & BRIGHT SUNNY DAY WITH CORRECT PANEL ORIENTATION TO THE SUN

100W INTEGRATED SOLAR LED WALL/POLE LIGHT

L:1210xW:460xH:50mm

100W LED (110lm per Watt), 60Ah 12V Battery, Solar Panel 100W/18V, *7hour Charge Time, Work Temp -30°C to 60°C, Aluminium Alloy + PC Lens,IP65,

8-10M INSTALLATION HEIGHT WALL/POLE,
****COOL WHITE (±6500K),***
ALUMINIUM ALLOY

LED-SSL-IN-2100

This product is made up of integrated parts (solar panel, lithium battery, LED, MPPT controller & human intelligence induction system)
Can be installed in gardens, residential areas, courtyards, roads & parking lots.

*POLE EXCLUDED

7 HOUR CHARGE TIME IS BASED ON CLEAR & BRIGHT SUNNY DAY WITH CORRECT PANEL ORIENTATION TO THE SUN

DOWNLOADABLE APP AVAILABLE TO CONTROL THE LIGHTS

NEW!

30W INTEGRATED SOLAR LED STREET LIGHT

30W LED (110lm per Watt), 6Ah 12V Battery, Solar Panel 6W/5V, *10hours Charge Time, 12-16hours Discharge Time, Work Temp -20°C to 45°C, 40 Square Meters Illumination Area, ABS Plastic + PC Lens, IP65,

6M INSTALLATION HEIGHT WALL/POLE, *COOL WHITE (±6500K), ABS PLASTIC

SUITABLE FOR WALL OR POLE INSTALLATION

ELSL-30W-CW

This product is made up of integrated parts (solar panel, lithium battery, LED, MPPT controller)

Can be installed in gardens, residential areas, courtyards, roads & parking lots.

L:395xW:210xH:50mm

*POLE EXCLUDED

10 HOUR CHARGE TIME IS BASED ON CLEAR & BRIGHT SUNNY DAY WITH CORRECT PANEL ORIENTATION TO THE SUN

NEW!

60W INTEGRATED SOLAR LED STREET LIGHT

60W LED (110lm per Watt), 9Ah 12V Battery, Solar Panel 9W/5V, *10hours Charge Time, 12-16hours Discharge Time, Work Temp -20°C to 40°C, 80 Square Meters Illumination Area, ABS Plastic + PC Lens, IP65,

6M INSTALLATION HEIGHT WALL/POLE, *COOL WHITE (±6500K), ABS PLASTIC

SUITABLE FOR WALL OR POLE INSTALLATION

ELSL-60W-CW

This product is made up of integrated parts (solar panel, lithium battery, LED, MPPT controller)

Can be installed in gardens, residential areas, courtyards, roads & parking lots.

L:480xW:220xH:50mm

*POLE EXCLUDED

10 HOUR CHARGE TIME IS BASED ON CLEAR & BRIGHT SUNNY DAY WITH CORRECT PANEL ORIENTATION TO THE SUN

NEW!

90W INTEGRATED SOLAR LED STREET LIGHT

90W LED (110lm per Watt), 12Ah 12V Battery, Solar Panel 12W/5V, *10hours Charge Time, 12-16hours Discharge Time, Work Temp -20°C to 45°C, 120 Square Meters Illumination Area, ABS Plastic + PC Lens, IP65,
8M INSTALLATION HEIGHT WALL/POLE,
****COOL WHITE (±6500K), ABS PLASTIC***
SUITABLE FOR WALL OR POLE INSTALLATION

ELSL-90W-CW

This product is made up of integrated parts (solar panel, lithium battery, LED, MPPT controller)
Can be installed in gardens, residential areas, courtyards, roads & parking lots.

L:620xW:230xH:55mm

*POLE EXCLUDED

10 HOUR CHARGE TIME IS BASED ON CLEAR & BRIGHT SUNNY DAY WITH CORRECT PANEL ORIENTATION TO THE SUN

NEW!

120W INTEGRATED SOLAR LED STREET LIGHT

120W LED (110lm per Watt), 12Ah 12V Battery, Solar Panel 20W/9V, *10hours Charge Time, 12-16hours Discharge Time, Work Temp -20°C to 45°C, 160 Square Meters Illumination Area, ABS Plastic + PC Lens, IP65,
8M INSTALLATION HEIGHT WALL/POLE,
****COOL WHITE (±6500K), ABS PLASTIC***
SUITABLE FOR WALL OR POLE INSTALLATION

ELSL-120W-CW

This product is made up of integrated parts (solar panel, lithium battery, LED, MPPT controller)
Can be installed in gardens, residential areas, courtyards, roads & parking lots.

L:725xW:240xH:55mm

*POLE EXCLUDED

10 HOUR CHARGE TIME IS BASED ON CLEAR & BRIGHT SUNNY DAY WITH CORRECT PANEL ORIENTATION TO THE SUN

NEW!

100W SOLAR LED STREET LIGHT

100W LED (110lm per Watt), 18Ah 12V Battery, Solar Panel 25W/5V (430 x 350mm), *6-8hours Charge Time, 12-16hours Discharge Time, Intelligent Optical Control + Remote Control, Waterproof Cable, U Frame, Aluminium + PC Lens, IP65

3-4M INSTALLATION HEIGHT WALL/POLE,
****COOL WHITE (±6500K)***

SUITABLE FOR WALL OR POLE INSTALLATION

E-SSL-100W-CW

Can be installed in gardens, residential areas, courtyards, roads & parking lots.

*POLE EXCLUDED

L:520xW:260xH:80mm

6-8 HOUR CHARGE TIME IS BASED ON CLEAR & BRIGHT SUNNY DAY WITH CORRECT PANEL ORIENTATION TO THE SUN

NEW!

200W SOLAR LED STREET LIGHT

200W LED (110lm per Watt), 30Ah 12V Battery, Solar Panel 35W/5V (580 x 350mm), *6-8 hours Charge Time, 12-16hours Discharge Time, Intelligent Optical Control + Remote Control, Waterproof Cable, U Frame, Aluminium + PC Lens, IP65

4-5M INSTALLATION HEIGHT WALL/POLE,
****COOL WHITE (±6500K)***

SUITABLE FOR WALL OR POLE INSTALLATION

E-SSL-200W-CW

Can be installed in gardens, residential areas, courtyards, roads & parking lots.

*POLE EXCLUDED

L:520xW:260xH:80mm

6-8 HOUR CHARGE TIME IS BASED ON CLEAR & BRIGHT SUNNY DAY WITH CORRECT PANEL ORIENTATION TO THE SUN

NEW!

300W SOLAR LED STREET LIGHT

300W LED (110lm per Watt), 36Ah 12V Battery, Solar Panel 40W/5V (630 x 350mm), *6-8hours Charge Time, 12-16hours Discharge Time, Intelligent Optical Control + Remote Control, Waterproof Cable, U Frame, Aluminium + PC Lens, IP65

4-5M INSTALLATION HEIGHT WALL/POLE,
****COOL WHITE (±6500K)***

SUITABLE FOR WALL OR POLE INSTALLATION

E-SSL-300W-CW

Can be installed in gardens, residential areas, courtyards, roads & parking lots.

***POLE EXCLUDED**

L:600xW:300xH:80mm

6-8 HOUR CHARGE TIME IS BASED ON CLEAR & BRIGHT SUNNY DAY WITH CORRECT PANEL ORIENTATION TO THE SUN

NEW!

400W SOLAR LED STREET LIGHT

400W LED (110lm per Watt), 48Ah 12V Battery, Solar Panel 50W/5V (670 x 445mm), *6-8hours Charge Time, 12-16hours Discharge Time, Intelligent Optical Control + Remote Control, Waterproof Cable, U Frame, Aluminium + PC Lens, IP65

5-6M INSTALLATION HEIGHT WALL/POLE,
****COOL WHITE (±6500K)***

SUITABLE FOR WALL OR POLE INSTALLATION

E-SSL-400W-CW

Can be installed in gardens, residential areas, courtyards, roads & parking lots.

***POLE EXCLUDED**

L:600xW:300xH:80mm

6-8 HOUR CHARGE TIME IS BASED ON CLEAR & BRIGHT SUNNY DAY WITH CORRECT PANEL ORIENTATION TO THE SUN

NEW!

30W, 60W, 90W & 120W SOLAR LED POLE

50 x 500mm White Pole For The 30W, 60W, 90W & 120W Solar LED Street Light ***WHITE FINISH**

SUITABLE FOR WALL INSTALLATION

ELSL-PL

***To Be Used With The ELSL Solar lighting Only.**