



# Product Catalogue



# About Us

Cloud Energy Photoelectric Ltd is a Nigerian-based Solar Energy Company that is focused on the conservation of energy and delivering its immediate needs. These conservation techniques involve utilizing Inverter Systems, Solar Energy, and the use of LED Energy-saving Lightings for the most efficient conservation of energy.

Cloud Energy Photoelectric Limited was registered in 2013 with the Corporate Affairs Commission and is a Member of the Nigerian-German Business Association. At Cloud Energy, we offer exceptional after-sales support with dedicated Engineers and Client Service representatives while providing alternative energy solutions to homes, organizations, schools, industries, and more nationwide.

# What Drives Us

## What We Do

We provide alternative and eco-friendly energy solutions for homes and businesses across Nigeria.

## Our Mission

To provide affordable and reliable alternative energy solutions that create access to solar energy, energy conservation, and lighting solutions across Nigeria and Africa.

## Our Vision

To be the foremost solutions provider of affordable and reliable alternative energy solutions that creates access to solar energy, energy conservation, and lighting solutions in Nigeria and Africa.



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# WHY DO BUSINESS WITH CLOUD ENERGY?

## ■ **Stock Position**

Cloud Energy has enough stock in inverters, solar panels, batteries and solar home systems to supply over 5000 customers nationwide, our reorder period is 3 months to ensure that no customer is kept waiting.

## ■ **Global Technical Partners**

Our technical partners are global players and are leaders in the solar energy and conservation industry. They are available on request for your enquiries at any time.

## ■ **Advanced Innovative Product Design**

Our products are innovative in design, both structurally and in functionality. Our wall mounted inverters are proof of our innovation in aesthetics and design. Premium solar cells for increased efficiency in our solar panels with zero deviation from stated output.

## ■ **Upgradable**

Our systems are designed with scaling potential in mind. We also install inverter solutions with batteries which are upgradable to solar energy, or direct solar solutions capable of being upgraded to higher levels on demand.

## ■ **We are an efficient and reliable Solar Company**

Cloud Energy® products is the brand name for Cloud Energy Photoelectric Limited. Our name is our brand. We pride ourselves in being reliable and we stand by it.

## ■ **Upgradable Premium Products at Affordable Prices**

Without being too modest, we make proud to say, our products are among the best in the country, with friendly price tags to ensure you do not break the bank in acquiring any of our products.



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# Our Core Principles



## TEAM WORK

Our staff is a team in which people respect and complement the competencies of one another. Every move adds to the achievement of the customer's objective



## INTEGRITY

The performance of our staff and products would always surpass what we promise. We keep our word to the spirit and letter because the customer remains our ultimate referral.



## TAKING OWNERSHIP

Our customer is a member of the family – we are always close enough to deliver the required solutions, light up your world and answer to the slightest hiccups – perceived or real



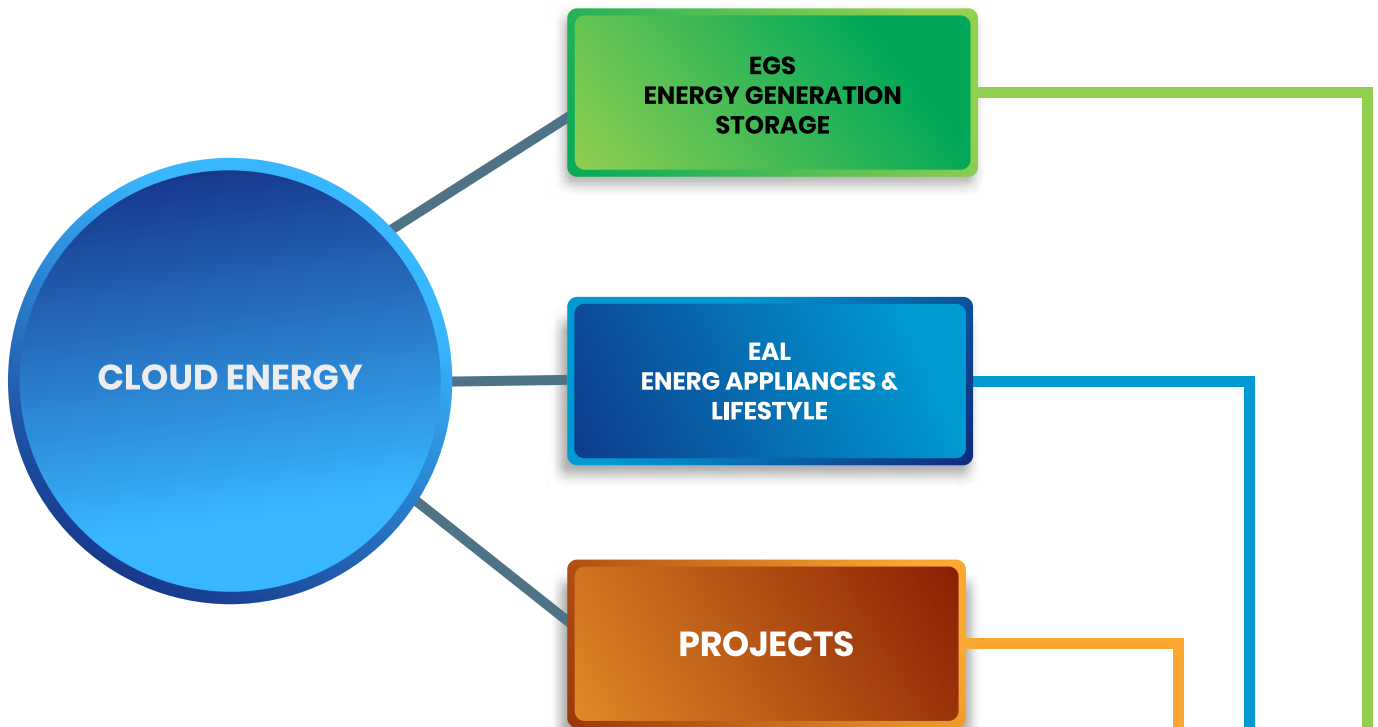
## PROFESSIONALISM

The team is trained to pay attention to the minutest details and the result is that the customer's equipment yields optimal results. There are no small jobs, every brief is important and gets our best – knowledge, skill, talent, energy, insight, and a sound working experience,

## CUSTOMER FIRST

We believe in more than just providing products/services; we're dedicated to creating exceptional experiences that prioritize YOU

# Business Segments



- Large scale energy storage
- Minigrids & Captive power
- Solar roof top solutions for homes
- Sunbox series power solutions



- Solar street lighting
- Fans
- LED Lights
- Energy saving television (AC/DC)
- Energy saving fridge & freezer (AC/DC)



- Large/small scale solar projects
- Solar home system deployments

# SOLUTIONS

## FEEL GOOD COMBO

- Our Sunbox Plus is an energy storage system that can power small shops, businesses and homes
- It provide lighting for up to 3 POINTS
- It powers 2 fans (it could be standing or wall fan)
- It is affordable and at the same time convenient
- It has a solar panel and that makes it independent and you don't need to charge with PHCN
- It stays for so long up to 6-12hrs depending on usage
- A complete end-to-end solution

**Light Up  
Your Shop  
& Enjoy Cool  
Breeze**



## PAY GO SYSTEM

- 1x30w solar panel for fast charging
- Energy control with 12v/9000MAh SLA battery
- 3 x bulbs
- 2 x USB ports
- FM, Radio, MP3 Version options
- Ideal for small homes and businesses
- Metered and suitable for DSSAs and partners so they can sell to their clients and customers with limited risk.

**PAY GO  
SYSTEM**





# Make your Home Energy Efficient!

## Superior Quality LED Lighting

6watts | 9watts | 10watts  
18watts | 30watts

Applications: Home, Office,  
Restaurant, Hotel, Supermarket etc.



### CLASSIC SERIES



6 WATTS



9 WATTS

### PREMIUM SERIES



6 WATTS



10 WATTS

### RECESSED LED PANEL LIGHTS



6 WATTS ROUND



12 WATTS SQUARE



# FANS



## 16 INCHES SOLAR/AC STANDING FAN

### FEATURES:

- 10WATTS (10 PIECES EQUATES ONE TRADITIONAL 100W FAN)
- LED LIGHT
- CAN BE USED WITH SOLAR PANEL
- PREPAID METER FRIENDLY
- REMOTE CONTROL THAT CAN BE OPERATED AT A DISTANCE
- NIGHT VISION
- ALARM (ON ONE-HOUR INTERVAL SETTING)

## 16 INCHES RECHARGEABLE STANDING FAN

### FEATURES:

- 10 WATTS
- ENERGY CONSUMPTION (18 WATTS ON FULL SPEED, 12 WATTS ON LOW SPEED)
- 5.2AHS LITHIUM BATTERY
- LED LIGHT
- NEGLIGIBLE LOADS ON INVERTER
- USB CHARGING PORT (FOR PHONES)
- PREPAID METER FRIENDLY
- REMOTE CONTROL THAT CAN BE OPERATED AT A DISTANCE
- NIGHT VISION (CAN BE TIMED)
- ALARM (ON ONE-HOUR INTERVAL SETTING)



## 16 INCHES RECHARGEABLE STANDING FAN

### FEATURES:

- 10 WATTS
- ENERGY CONSUMPTION (18 WATTS ON FULL SPEED, 12 WATTS ON LOW SPEED)
- 5.2AHS LITHIUM BATTERY
- LED LIGHT
- NEGLIGIBLE LOADS ON INVERTER
- USB CHARGING PORT (FOR PHONES)
- PREPAID METER FRIENDLY
- REMOTE CONTROL THAT CAN BE OPERATED AT A DISTANCE
- NIGHT VISION (CAN BE TIMED)
- ALARM (ON ONE-HOUR INTERVAL SETTING)



## 16 INCHES WALL FAN

### FEATURES:

- 10WATTS (10 PIECES EQUATES ONE TRADITIONAL 100W FAN)
- CAN BE USED WITH SOLAR PANEL
- PREPAID METER FRIENDLY



## **AC/DC FRIDGE**

220 Litres Energy-Saving fridge-freezer with Solar (DC) Options provide perfect off-grid storage for homes, businesses, pharmaceutical or farm storage.

Its DC function means it functions as the perfect stand-alone solar freezer, powered directly by the sun using solar panels and batteries.

## AC/DC FREEZER

150 Litres Energy-Saving Freezer with Solar (DC) Options provide perfect off-grid storage for homes, businesses, pharmaceutical or farm storage, or as a standalone where space is limited on boats & RVs. This compact solar-powered unit features a temperature range that allows it to operate as either a freezer or refrigerator.

The removable basket keeps smaller items within easy reach. To operate, this unit requires a mono/poly solar panel, gel or AGM deep-cycle battery and a solar charge controller. Installation can be easily handled by an electrician or personally using our Installation guide..



# Street Lighting

Brighter Environment, Safer Nights



## Light up Nigeria

- Environmentally Friendly
- Unlimited Solar Source
- Maintenance-free
- Extended Lifetime

Available from  
60w to 250w

# Street Lighting Datasheet



Model No.	CE-SSL-60	CE-SSL-80	CE-SSL-100	CE-SSL-150	CE-SSL-180	CE-SSL-200
System Power	60W	80W	100W	150W	180W	200W
System Voltage	24V constant current					
Operating Temperature	-40°C--+60°C					
Electrical Protection	Short Circuit, Over voltage, Overcurrent, Overheat					
Solar Panel						
System Power	18V 70W	18V 95W	18V 105W	18V 145W	18V 180W	18V 200W
Lifetime	90% up to 10 years, 80% up to 25 years					
Battery						
Battery Capacity	3.2V 256WH	3.2V 384WH	3.2V 537WH	3.2V 704WH	3.2V 896WH	3.2V 1152WH
Battery Brand	CATL	CATL	EVE	EVE	CATL	CATL
Lifetime	≥8 years					
Controller						
Controller Type	3.2V MPPT					
Max Charge Current	20A	30A	30A	30A	40A	40A
Lifetime	≥10 years					
Photometric Features						
LED Source Type	192 LEDS	192 LEDS	240 LEDS	240 LEDS	288 LEDS	384 LEDS
Lumen	175-180lm/w					
CRI	≥80					
Colour Temperature	6000-7000k					
Beam Angle	IESNA Type II					
Structure Features						
Body Material	Aluminium Alloy					
Lens Material	PMMA					
Protection Grade	IP65					
Installation Height(m)	5-6m	6-7m	7-8m	8-9m	9-10m	11-12m
Mounting Diameter(in)	2.5-3	2.5-3	2.5-3	2.5-3	2.5-4	2.5-4

# ENERGY STORAGE SYSTEMS INVERTER



**10KVA  
INVERTER**



**3.6KVA  
INVERTER**



**1KVA  
INVERTER**



**3.6KVA HYBRID  
INVERTER**

# ENERGY STORAGE SYSTEMS

## INVERTER DATASHEET

Inverter Specifications										
Model	1000W	1500W	2000W	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Surge Power (1 second)	3000W	4500W	6000W	9000W	12000W	15000W	18000W	24000W	18000W	18000W
Surge Power (10 seconds)	1300W	1950W	2600W	3900W	5200W	6500W	7800W	10400W	13000W	15600W
Surge Power (60seconds)	1100W	1650W	2200W	3300W	4400W	5500W	6600W	8800W	11000W	13200W
Commercial Power Range	220VAC:165V-275VAC 230VAC:173V-287VAC							220VAC:176V-264VAC 230VAC:184V-276VAC		
AC Frequency Range	45-65HZ									
AVR Voltage Range (VAC)	220VAC/230VAC±10% (Auto-sensing)							220VAC:176V-264VAC 230VAC:184V-276VAC		
Output Frequency Range(AC mode)	Tracking automatically /shared frequency with the commercial inversion state:60/50±0.5 Hz									
DC Voltage Input	12VDC /24VDC			24VDC /48VDC			48VDC			
Input Wave Form	Sine Wave ( Utility or Generator )									
Output Wave Form	Pure Sine Wave									
Output Overload	105% < Load < 110% ± 10% : Fault ( Turn off output after 60 seconds) 110% < Load < 130% ± 10% : Fault ( Turn off output after 10 seconds) 150% < Load ± 10% : Fault ( Turn off output after 1 seconds)									
Thermal Method	Cooling fan in intelligent control ≤42°C fan rotates slowly to ≥45°C fan rotates fast									
Communication port	RS232/WIFI/SNMP(Optional)									
temperature	-15°C ~ +50°C									
Humidity	10% ~ 90%									
Short Circuit Protection	Software Protection									
Line Mode Efficiency	> 95%									
Optimal Efficiency	>85%									

DC Battery Specifications	
Battery Type	3 GEL, AGM, SLA, FLD, LI, USER
Input Voltage Range	12VDC:10.5-15VDC 24VDC:21-30VDC 48VDC:42-60VDC
Floating Charge Set	12.9 ~ 13.6 V(1PCS battery) can be set
Low Voltage Restored	12VDC:12.6-14.4VDC 24VDC:25.2-28.8VDC 48VDC:50.4-57.6VDC
Low Voltage Shutdown set	12VDC:10-10.9V 24VDC:20-21.8V 48VDC:40-43.6V
Over Voltage Protection	12VDC:16.7VDC 24VDC:33.4V 48VDC:66.8V
Over Voltage Alarm	12VDC:15VDC 24VDC:30V 48VDC:60V
AC Charging	5A-35A(40A, 50A, 60A,70A Optional)
Transfer Time	Typical: 5-8ms(Including detection time)
Waveform	Pure sine wave

# ENERGY STORAGE SYSTEMS

## BATTERY



100ah/51.2v  
LITHIUM ION BATTERY



200ah/25.6v  
LITHIUM ION BATTERY



75ah/25.6v  
LITHIUM ION BATTERY



220AH/12V  
TUBULAR BATTERY



# ENERGY STORAGE SYSTEMS

## BATTERY DATASHEET

### Technical Parameters

<b>Model</b>	BCT-UU 24-200		<b>Battery</b>	Cell Type	LiFePO <sub>4</sub> Battery/LFP	
<b>Basic Specifications</b>	Nominal Capacity	200Ah		Storage Temperature Range	Short-Term -20°C-40°C(Within 1 month)	Long-term 10°C-35°C(Within 1 year)
	Nominal Voltage	24V(25.6V)			Operating Temperature Range	-15°C-60°C
	Electricity(kWh)	5.12kWh		Recommended Temperature Range	10°C-40°C	
<b>Input</b>	Full Charge Voltage	29.2V		Storage Humidity	≤75% RH	
	Maximum Charging Voltage	30V		Atmospheric Pressure	Below 5000 Above Sea Level	
	Input Voltage Range	28V-30V		Self-Discharge ( 25°)	<3%/Month	
	Continuously Use Input Current	100A		Depth of Discharge	>80%	
	Maximum Solar Panel Input Current	100A		C-rate Discharge	<0.8C	
	Rshoot Delay Protection	1000ms		Cycle Life	> 6000 Times (<0.5c)	
<b>Output</b>	Continuously Use Output Current	100A	<b>Other</b>	Certification Standards	UN38.3/CE/MSDS/DGM	
	Discharge Cut-off Voltage	20V-24V		Warranty	5 years	
	Over-Discharge Delay Protection	1000ms		Product Size	616±2×356±2×292±2mm	
	Short Circuit Protection Delay	300us		Packing Size	680±2×430±2×372±2mm	
	Short Circuit Protection Recovery	Disconnect Load				
	Instant Start Current	400A				
	Instant Start Current Time	10S				

### Technical Specification

Model	Nominal Voltage	Rated Capacity 10Hr @27° C (Ah)	Dimensions in mm			Filled Battery Weight (Kg) (+/- 3%)	Terminal Type
			Length (+/- 3mm)	Width (+/- 3mm)	Height (+/- 3mm)		
(12 V 100 AH)	12	100	495	190	430	63	L
(12 V 150 AH)	12	150	495	190	430	60	L
(12 V 200 AH)	12	200	495	190	430	65	L
(12 V 220 AH)	12	220	495	190	430	69	L
(12 V 240 AH)	12	240	495	190	430	72	L

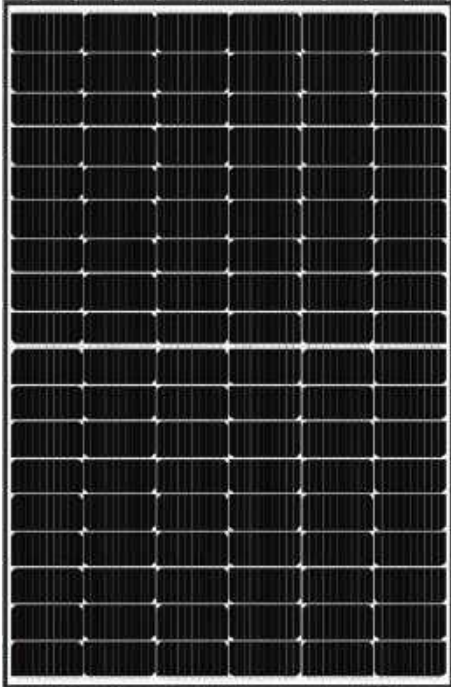
### Electrical Parameters & Charging Profile Battery Specified Capacity Test @ 27°C

Model	C10 @ 10.5V	C5 @10.5V	C3 @ 10.5V	C1 @10.5V
(12 V 100 AH)	100	83	72	60
(12 V 150 AH)	150	125	108	75
(12 V 200 AH)	200	165	144	100
(12 V 220 AH)	220	183	158	110
(12 V 240 AH)	240	199	173	120
Ah & Wh Efficiency				
Ah Efficiency	>90%		Wh Efficiency >75%	

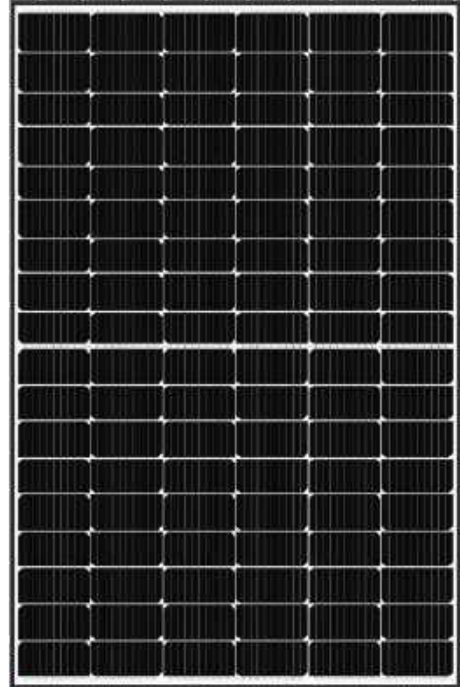


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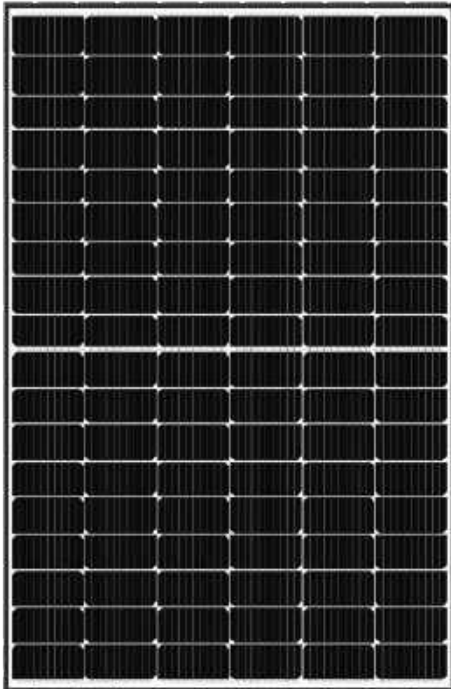
# ENERGY STORAGE SYSTEMS PANEL



**550W SOLAR PANEL**



**450W SOLAR PANEL**



**410W SOLAR PANEL**



**180W SOLAR PANEL**

# ENERGY STORAGE SYSTEMS PANEL DATASHEET



## Electrical Parameters Under STC

Solar Module Type: BCT-10M-144-550W

Maximum Power at STC (Pmax) [W]	550
Open-Circuit Voltage (Voc) [V]	49.68
Optimum Operating Voltage (Vmp) [V]	44.14
Short-Circuit Current (Isc) [A]	13.50
Optimum Operating Current (Imp) [A]	12.46
Wafer Efficiency [%]	23.3
Standard test conditions (STC) : irradiance 1000W/m <sup>2</sup> , battery temperature 25°C, AM1.5, power tolerance: ±3%	

## Mechanical Parameter

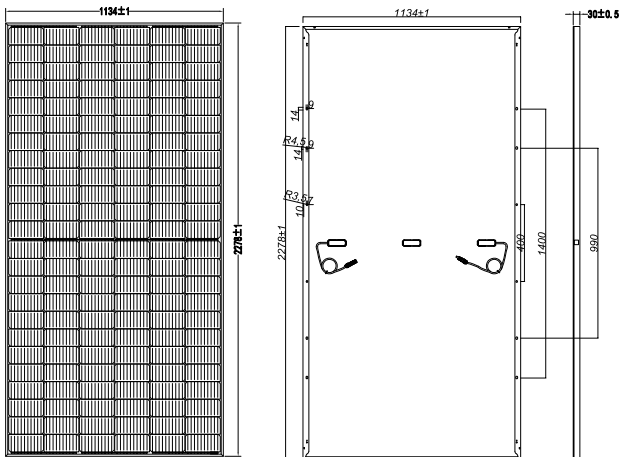
Cell type	MONO-CRYSTALLINE
Number of Cells	144(12×6×2)
Component Size	2278±1mm×1134±1mm×30±0.5mm
Component Weight	28kg
Front Glass	3.2mm high permeability, anti-reflection coating tempered glass
Backboard	White
Component Frame	Anodized aluminium alloy
Junction Box	IP68,3 diodes
Connector	PV-XT1609Nxyz
Cable Cross-Sectional Area	4mm <sup>2</sup> (62930 IEC 131)
Cable Length	300mm
Wind Pressure/Snow Pressure	2400Pa/5400Pa
Packaging Information	36 pcs/pallet, 720pcs/40HQ



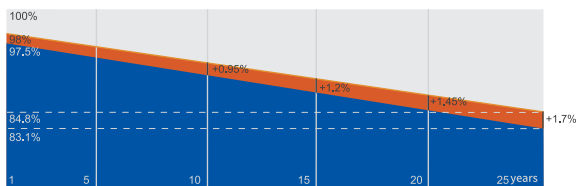
## Electrical Property Parameter

Working Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Fuse Rated Current	30A
Power Tolerance	±3%

## Engineering Drawings



Linear attenuation of 0.55% per year for 25 years

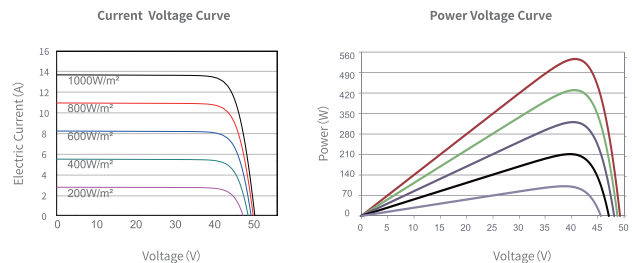


■ New linear power guarantee ■ Quasi linear power guarantee

## Temperature Characteristic

Temperature Coefficient (Pmax)	-0.34%/°C
Temperature Coefficient (Voc)	-0.27%/°C
Temperature Coefficient (Isc)	+0.045%/°C
Nominal Operating Temperature (NOTC)	45±2°C

## Characteristic Curve



\* 25-year quality assurance; 25-year linear output power guarantee.

\* With the technical progress and product update, the technical parameters of the components of Blue Carbon may differ from the technical parameters contained in this specification. Blue Carbon has the right to adjust the technical parameters at any time without notifying the customer, and the final interpretation of the technical specification belongs to Blue Carbon.



**FASTER COOLING  
BETTER SAVINGS**



# LIFE STYLE SYSTEM AC



## Hybrid Model : DC/AC/ Mix Power

Capacity Cool & Heat	12000Btu	18000Btu	24000Btu
Climate Type	T3	T3	T3
Room Area	14-25m <sup>2</sup>	20-37m <sup>2</sup>	32-50m <sup>2</sup>
Voltage DC	80V - 380V	80V - 380V	80V - 380V
Voltage AC	220V-240V/50-60Hz	220V-240V/50-60Hz	220V-240V/50-60Hz
Rated Power	1000	1400	1950
Cooling Capacity	12000	17200	22200
EER	3.52	3.57	3.31
Refrigerant	R32	R32	R32
Compressor	GMCC	GMCC	GMCC
Load Qty 20'GP / 40'HQ	100/250	78/181	56/142



# GAS TO SOLAR LPG GENERATOR SET



# GAS TO SOLAR CNG DATASHEET

Generator at 50Hz, 400/230V, 1500rpm (3P4W)		Gas Engine (In-line Four-Stroke, Electronic Ignition, Water cooled)		Brushless Alternator with AVR		Fuel		Gas Consumption at 100% loads		Open Type		Soundproof Type		
Brand	Genset Model	Prime Power (KW/KVA)	Standby Power (KW/KVA)	Engine Model	Cylinder No.	Brand	Model	Gas Type	LPG(kg/h)	CNG(m <sup>3</sup> /h)	Dimensions(mm)	Weight(kg)	Dimensions(mm)	Weight(kg)
Pulita	20kVA	17.6/20	17.6/22	PL3.9-NG	4 in line	Pulita	Smartgen	LPG/CNG	3.68	4.8	1850*900*1150	800	2400*1050*1450	1200
	30kVA	24/30	26.4/33	PL3.9T-NG	4 in line	Pulita	Smartgen	LPG/CNG	5.52	7.2	1850*900*1150	900	2400*1050*1450	1000
	40kVA	32/40	35.2/44	PL3.9TA-NG	4 in line	Pulita	Smartgen	LPG/CNG	7.36	9.6	1850*900*1150	950	2400*1050*1450	1050
	50kVA	40/50	44/55	PL3.9TAA-NG	4 in line	Pulita	Smartgen	LPG/CNG	9.2	12	1850*900*1150	980	2400*1050*1450	1080
	60kVA	48/60	52.8/66	PL5.9-NG	6 in line	Pulita	Smartgen	LPG/CNG	11.04	14.4	2250*1050*1300	1000	2800*1050*1650	1400
	80kVA	64/80	70.4/88	PL5.9TA-NG	6 in line	Pulita	Smartgen	LPG/CNG	14.72	19.2	2250*1050*1300	1100	2800*1050*1650	1600
	100kVA	80/100	88/110	PL5.9TAA-NG	6 in line	Pulita	Smartgen	LPG/CNG	18.4	24	2250*1050*1300	1100	2800*1050*1650	1600
	120kVA	100/120	110/132	PL8.3TAA-NG	6 in line	Pulita	Smartgen	LPG/CNG	22	30	2400*1100*1400	1800	3000*1250*1800	2500
	150kVA	120/150	132/165	PL8.3TAA-NG	6 in line	Pulita	Smartgen	LPG/CNG	26.4	36	2400*1100*1400	1860	3000*1250*1800	2560
	200kVA	160/200	176/220	PL10TAA-NG	6 in line	Pulita	Smartgen	LPG/CNG	35.2	48	2850*1100*1550	1950	3300*1250*2060	2800
	300kVA	240/300	264/330	PL13TAA-NG	6 in line	Pulita	Smartgen	LPG/CNG	52.8	72	3100*1100*1780	2500	3800*1550*2160	3200
	350kVA	280/350	308/385	PL13TAA-NG	6 in line	Pulita	Smartgen	LPG/CNG	61.6	84	3100*1100*1780	2560	3800*1550*2160	3280
	400kVA	320/400	352/440	PL19TAA-NG	6 in line	Pulita	Smartgen	LPG/CNG	64	96	3400*1250*2060	2800	4000*1550*2260	3500
	500kVA	460/500	440/550	6M33D450E310NG	6 in line	Pulita	Smartgen	CNG	N/A	120	3260*1380*1610	3500	4000*1550*2260	4400
	600kVA	480/600	528/660	12M26D605E300NG	12 V	Pulita	Smartgen	CNG	N/A	144	4150*1730*2300	6100	20FT	9800
800kVA	640/800	704/888	12M33D680E310NG	12 V	Pulita	Smartgen	CNG	N/A	192	4500*1700*2300	7200	20FT	11000	
1000kVA	800/1000	880/1100	12M33D900E310NG	12 V	Pulita	Smartgen	CNG	N/A	240	4500*1700*2300	7200	20FT	11000	
1200kVA	1000/1200	1100/1320	16M33D1280NG10	16 V	Pulita	Smartgen	CNG	N/A	280	6300*2000*2900	12300	40FT	16000	
1800kVA	1440/1800	1584/1980	12M55D1588A0NG	12 V	Pulita	Smartgen	CNG	N/A	403.2	6500*2000*2900	13500	40FT	17100	
2500kVA	2000/2500	2200/2750	20V/190	20 V	Pulita	Smartgen	CNG	N/A	560	7500*2300*2800	29000	Customized	35000	

## Remarks

- Both 50Hz and 60Hz are available.
- Special voltages are available.
- Alternator brand Stamford, Leroy Somer, Marathon are optional.
- Controller brand Deepsea, DEIF, ComAp are optional.
- Special requirements for Soundproof Canopy, ATS, Parallel & Synchronization Control, CHP and CNG Cylinder Groups, PRMS are optional.

The data herein can vary depending on individual production requirements or due to improved technology.

# HYBRID SOLAR SYSTEMS

## 100Kw – 50kW





# EV MOTORCYCLE DELIVERY WITH THE SUN



Model	CEVD 3.7
Tire	2.75-18//110/90-16
Brake	F-Disc/R-Disc
Shock	Hydraulic/Hydraulic
Motor Power	72V3000W
Max Speed	70km/h
Motor type	Brushless DC
Head light	LED
Rear shocker	double barrelled shocker
Front shocker	fine suspension
Alarm	yes
Three speed	yes
Front rim	Alluminum alloy
Rear rack	yes
SKD 40HQ	75sets
front&rear protect bar	yes
delivery box	yes



Model	CEVP 3.7
Tire	2.75-18//110/90-16
Brake	F-Disc/R-Disc
Shock	Hydraulic/Hydraulic
Motor Power	72V3000W
Max Speed	70km/h
Motor type	Brushless DC
Head light	LED
Rear shocker	double barrelled shocker
Front shocker	fine suspension
Alarm	yes
Three speed	yes
Front rim	Alluminum alloy
Rear rack	yes
SKD 40HQ	75sets
front&rear protect bar	yes
delivery box	no



Model	CeV 2.6
Tire	90/90-12
Brake	F-Disc/R-Disc
Shock	Hydraulic/Hydraulic
Motor Power	72V2000W
Max Speed	60km/h
Motor type	Brushless DC
Head light	LED
Rear shocker	double barrelled shocker
Front shocker	fine suspension
Alarm	yes
Three speed	yes
Front rim	Alluminum alloy
Rear rack	yes
SKD 40HQ	75-sets
delivery box	NO

**ELECTRIC IS THE WAY**

EV TRICYCLE

# POWERING Keke WITH THE SUN



<b>L×W×H(mm):</b>	2800×1250×1780	<b>Battery:</b>	60V 100/120AH
<b>Wheel base(mm):</b>	2220	<b>Motor Controller:</b>	60V 1800W
<b>Minimum ground clearance(mm):</b>	≥320	<b>Range per charging(km):</b>	80-125
<b>Curb weight(kg):</b>	310	<b>Chargingtime(h):</b>	6-8h
<b>Wheel track:</b>	1080	<b>Front shock absorber:</b>	φ43 Hydraulic shock absorption
<b>Max speed(km/h):</b>	40	<b>Front/Rear tyre:</b>	4.0-12
<b>Grade ability(%):</b>	≤25	<b>CKD:</b>	35pcs/40HQ 14pcs/20GP

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**Cloud**  
ENERGY

E-VEHICLE

# ELECTRIC IS THE WAY



Overall Dimension(mm):	3584 × 1475 × 1666	Maximum motor power(KW):	35
Wheelbase(mm):	2455	Max speed(km/h):	101
Front/Rear braking:	Disc/Drum	Range per charge(km):	320
Drive Mode:	FF Layout	Chargingtime(h):	AC/8-11h DC/1.2h(30%-80%)
Curbweight(kg):	970	Battery capacity(kwh):	31.45
Tire specification:	165/65 R14	Number of seat(pacs):	4
Maximum torque(N · m):	125	CBU:	4pcs/40HQ

# MINI GRID



Small & Large  
Scale Solutions

Solar Hybrid  
Mini-Grid



# Choose the Best!

Invest in quality with Cloud Energy for your solar installations and energy saving appliances.



# Cloud<sup>TM</sup>

E N E R G Y

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