









Products, Systems & Services
SettWay Energy
Technology



SettWay Energy Technology Corporation

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Contents

SettWay Energy Technology Products Lineup

Energy-Saving LED Lighting

- · Indoor/Outdoor use
- · New design Marine LED Light
- · Customized design on request
- · LED Lighting specifications

Monocrystalline, Solar Photovoltaic Energy System

Selected projects:

- · Panya Tum Monastery, Cambodia
- · Omni-photovoltaic power harvest, Solar farm field
- · Solar power compliment for plant floor, Easy solar power for farm field

Grid-tied, Off-grid, Hybrid solar systems

Flexible Solar Module/Panel, Advantages Processing and Technological, Specifications Rigid Solar Panels – Specifications

Applications of Water Purification Device and System

- · Selected project: Solar energy DC pumping system & Gravity water purification system
- · Selected project: Solar energy AC pumping system & Gravity water purification system
- · Water purification device (tank) for Household, Community, Industry usage
- · Gravity powered ACT water purification vs. Gravity powered RO purified water

Implementation of New Energy-Saving Technologies

- · Upgrade to magnetic bearing oil-free variable frequency drive centrifugal chillers
- · Implementation of building heat preservation and thermal insulation technologies
- · CB nanometer water within HVAC circulatory systems

Business Contact

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SettWay Energy Technology Corporation Eco-friendly Technology
825 Kaohsiung Taiwan

ISO 9001: 2016



The acope of this QMS includes:
LED Lighting Fixtures of Research & Development,
Manufacturing, and Sales & Marketing;
Solar PV System and Water Purification Treatment
Of Sales and Marketing.

開源、發展、節能、環保 Renewable Resources Energy Conservation Eco-friendly Technology

Settway, headquarters located in Kaohsiung Southern Taiwan, has 50 years of experience in manufacturing lighting ballasts and power supplies. Settway has been designing high-standard optical solutions for demanding lighting applications since year 2006.

Settway proudly launched solar PV systems and production from 2014, in expanding business category as well as enhancing customer service.

Water purification treatment technology in providing clean and safe drinking water is needed by people living in rural areas without city power utility. Solar energy system facilitating healthy drinking water supply is honorably implemented by branch office Settway Asia in Cambodia from year 2018.

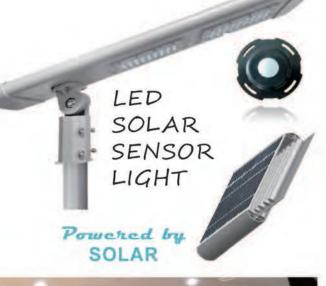
Settway excels in providing customized service with product development and design capability as well as manufacturing plant operations. Today, Settway continues R&D work over innovative, prospective applications of renewable green products, inspired by solar energy like resources featured low pollution, accessibility and inexhaustibility.

Objective: Settway is manufacturing high quality, competitive-edge products with sustainability aspects for growth and development. Settway is engaged in reproducing alternative energy system, dedicated herself to environmental protection and energy conservation.



LED Flood Light LED Street Light LED High Bay Light







LED Down Light (Circular) LED Recessed Panel Light LED T8/T5 Tube Light

High quality LED driver and component chips Slim design with edge-lit technology Production & quality service quaranteed













LED Lighting designs - Customized solutions available Designing high standards of optical solution

Experienced in high performance of LED driver solution LED lighting in replacing of traditional ones can achieve minimal 50% energy saving

As of its low thermal rise nature, LED lighting uses 50% less energy in power consumption

SettWay LED Lighting Features

Well adopted of high efficiency Japanese LED chips and Taiwanese LED chips In-house power driver designs, illumination engineering and designing Non-flammable, flame-retardant materials for manufacturing processes EMI shields and filters protection (CNS1415 compliant), anti-blue light blocking for eye protection Lifespan of 60,000 hours achieved at lumen maintenance 70%

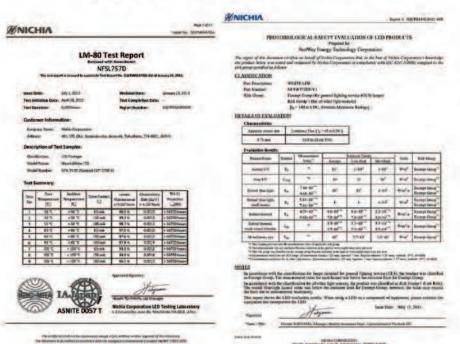
Panel Light

High Efficacy: 130 lm/W
Extended Lifetime with LM-80 certified test report
IEC62471 Certified for eye protection
DLC Certified





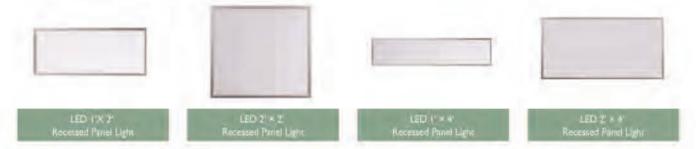
High standard LED sources applied



During the past 100 years, the luminaire lighting manufacturers have been devoted to producing standard products and standardization has been a practical model for enterprises to meet clients' basic needs. Customer's requirements and service requests are getting extensively varied with technology innovations and industry multiple applications. To maximize the satisfactory needs of customers, Settway admittedly holds the belief of user-friendly products while carrying out customized designs, to be dedicated herself to protecting global environment.

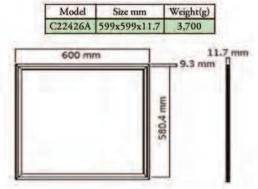
Settway has 50 years of experience in manufacturing lighting ballasts and power supplies. Settway has been designing high-standard optical solutions for demanding lighting applications for more than 10 years. Key components are well adopted and sourced from recognized first tier parts manufacturers, designs as well featured with over-heat, over-voltage and over-current protection, especially patented thermal dissipation system enabling fast thermal conductivity, that ensures high efficacy performance, reduces power consumption, facilitates ease of installation and low maintenance needs during product long lifespan. Using SettWay's LED lighting helps 80% of electricity bill cut than compared with the traditional lighting fixtures applied. Required national safety standards of LED lightings are complied with and relevant laboratory tests are passed, including TAF2262. CNS-14335 and IEC-60598, which SettWay LED lightings provide eye protection, eliminate hazardous emissions, as well as meet environmental protection obligations.

Settway's lighting solutions are met with comprehensive product lineup and integrated system services to fulfill customer needs, which are used for variety applications in places such as schools, offices, exhibition halls, vehicles, medical facilities, both commercial and industrial buildings. Settway adhering to green energy and environmental protection as concept for business operation and development, conforms with the global act of energy conservation and carbon emission reduction among lighting designs, energy-saving plans, technologies engineering, and projects management.



LED I'x 2' Panel Light

Model	Size mm	Weight(g)
C14386A	300x600x11.7	1,800



LED 2' x 2' Panel Light



LED I' x 2' Panel Light (LED 2' x 2' Panel Light)

	Input Nominal Voltage	100~240Vac	Input Frequency Range	50~60Hz				
7	Light Source	Solid-State LED	a to the same and	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Zellodini	THD	20%(Max)/100Vac and 240Vac at Full Load						
Electrical	Power Factor	PF=0.90(Min)/1	00Vac and 240Vac at full Lo	ad				
	Power Consumption 100%	18~22W 20W(Typ)at full load/rated input range after bum-in 60mins (25~44W 38W(Typ)at full load/rated input range after bum-in 60mins)						
	Lumens Output	The state of the s	mens @ CCT 6,000K mens @ CCT 6,000K)					
Optical Temperature C.R.I Illuminate Angl	Correlated Color Temperature	2,700K~6,500K						
	C.R.I	>80						
	Illuminate Angle	120 Degrees						
	Illuminous Decay	<30%/60,000Hours						
Safety	Comply with BSMI							
	Lifetime	60K hours min	. At ambient 25°C					
	MTBF	60K hours min. At ambient 25°C						
Environm-	RoHS Compliant							
ental and	IP20							
Reliability	Operation Temperature and Humidity Range:-20~+40°C and 20~90% RH							
	Storage Temperature and Hu	umidity Range:-25	~+85°C and 10~90% RH					
Warranty	3years							

Recessed Downlight

High Quality Extended Lifetime with LM-80 certified test report IEC62471 Certified for eye protection

High Bay Light

High Efficacy: 110 lm/W&130 lm/W Optional Illuminate Angle: 25°~100° / 60°~110 Extended Lifetime with LM-80 certified test report IEC62471 Certified for eye protection IP65 Certified









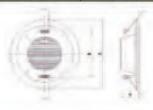
Recessed Downlight Circular Type -7.5cm cut (w/ glass) (Circular Type - 15cm cut)

Electrical &	Mechanical Specification a	nd Requirements				
	Input Nominal Voltage	100~240Vac Input Frequency Range 50~60Hz				
	Light Source	Solid-State LED				
et al	THD	20%(Max)/100Vac and 240Vac at Full Load				
Electrical	Power Factor	PF=0.90(Min)/100Vac and 240Vac at Full Load				
	Power Consumption 100%	5W at full load/rated input range after burn-in 60mins (13W at full load/rated input range after burn-in 60mins)				
	Lumens Output	590±10% Lumens @ CCT 6,500K				
Optical	Correlated Color Temperature	6,500K				
35.72	C.R.I	>80				
	Illuminate Angle	95±10 Degrees				
	Illuminous Decay	<30%/60,000Hours				
Safety	Comply with BSMI	And the color of the first statement.				
and the same	Lifetime	60K hours min. At ambient 25°C				
Environm-	MTBF	60K hours min. At ambient 25°C				
	RoHS Compliant					
ental and Reliability	IP20					
Reliability	Operation Temperature	and Humidity Range:-20~+40°C and 20~90% RH				
	Storage Temperature and	d Humidity Range:-25~+85°C and 10~90%RH				
Warranty	3years					

^{*}All specifications are subject to change without notice. E. & O. E.

Circular Type - 7.5cm cut (w/ glass)

	Model	(A) Outer Dims. (mm)	(B) Inner Dims. (mm)	Weight (g)
1	DC075	ø100X37	ø75	208



Circular Type - 15cm cut

Model	(A) Outer Dims. (mm)	(B) Inner Dims. (mm)	Weight (g)
DC150	ø164x52	ø143	394









Tubular Light

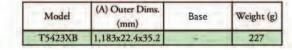
High Efficacy: 140 lm/W Excended Lifetime with LM-80 certified test report IEC62471 Certified for eye protection







Electrical &	Mechanical Specification ar			VICTOR CARD		
	Input Nominal Voltage	100~240Vac	Input Frequency Range	50-60Hz		
	Light Source	Solid-State LED				
Electrical	THD	20%(Max)/100Vac and 240Vac at Full Load				
Electrical	Power Factor	PF=0.90(Min)/100	Vac and 240Vac at Full Load			
	Power Consumption 100%	16-20W 18W(T	yp)at full load/rated input range	after bum-in 60mins		
	Lumens Output	>2,000 Lumens (Typ)2,300 Lumens@ CCT 6,500	K OK)		
300000	Correlated Color Temperature	2,700K-6,500K				
Opucai	C.R.I	>80				
	Illuminate Angle	>180 Degrees (T)	(p) 204 Degrees			
	Illuminous Decay	<30%/60,000Hou	rs			
Safety	Comply with CE	Part of the last o				
	Lifetime	60K hours min. A	t ambient 25°C			
Environm-	MTBF	60K hours min. At ambient 25°C				
	RoHS Compliant	A CONTRACTOR OF THE PARTY OF TH	All the second s			
Reliability	IP20	NATIONAL CREATION	was to the first or different to the			
Nemadility	Operation Temperature	and Humidity Range	-20~+40°C and 20~90% RH			
	Storage Temperature and	Humidity Range:-2:	5~+85°C and 10~90%RH			
Warranty	3years	The state of the s	Contract at a Contract of the			



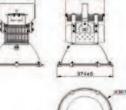


T8423XB ø29x1,198 G13 32		Model	(A) Outer Dims. (mm)	Base	Weight (g)
3 359AL4	1	Г8423XB	ø29x1,198	G13	326
2 49991.4			1111.7 00	40	
			2199 p.t.		













LED High Bay Light - "H" Series (- "UFO" Series)

Electrical &	Mechanical Specification :	and Requirements					
	Input Nominal Voltage	100-277Vac	Input Frequency Range	50-60Hz			
	Light Source	Solid-State LED					
Same	THD	20%(Max)/100Vac and 240Vac at Full Load					
Electrical	Power Factor	PF=0.90(Min)/10	00Vac and 240Vac at full Load				
	Power Consumption 100%	The second secon	0W ±5W at full load/rated input or full load/rated input range of				
		14,400±10% Lui	mens @ CCT 5,700K(120W)				
		18,000±10% Lui	mens @ CCT 5,700K(150W)				
	Lumens Output	21,000±10% Lui	mens @ CCT 5,700K(175W)				
	Carried Control	24,000±10% Lui	mens @ CCT 5,700K(200W)				
4 54		(15.550±10% Lu	ments (F CCT 6,000K)				
Optical	Correlated Color	5,700K±500K	A STATE OF THE PARTY OF THE PAR				
	Temperature	(2,700K - 6000)	O .				
	C.R.I	>80					
	Illuminate Angle	25 45 60 90 100 Degrees Optional (60-110 Degrees Optional)					
	Illuminous Decay	<30%/60,000Ho	urs				
Safety	Comply With UL FCC	Control of the Contro					
	Lifetime	60K hours min. A	t ambient 25°C				
Environm- ental and Reliability	MTBF	60K hours min. A	t ambient 25°C				
	RoHS Compliant						
	IP65						
	Operation Temperature and Humidity Range:-40-+50°C and 20-90% RH						
	Storage Temperature and Humidity Range:-25-+85°C and 20-90% RH						
Mech	Dimensions:ø367*459(F	A CONTRACTOR OF THE PARTY OF TH					
Warranty	3years						

Flooding Light

High Efficacy: 105 lm/W Illuminate Angle: 100°±10°

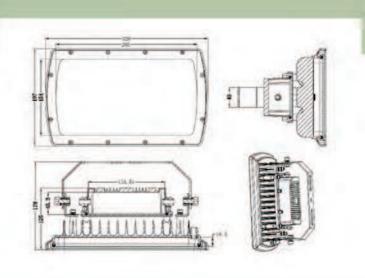
Extended Lifetime with LM-80 certified test report

IEC62471 Certified for eye protection

IP65 Certified



Model	Size (mm)	Base	Weight (g)
FL50GW	328x197x178	100	3,500



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An overview of SettWay LED Lighting Products

Panel Light, Recessed Light, Tubular Light, High Bay Light, Flooding Light, Street Light, Yacht Light, ...

C2245X8 2'X2' Pa C2476X8 2'X4' Pa C1435XB 1'X4' Pa C1435XB 1'X4' Pa Model Name Desc D075 7.5cm Rec D090 9cm Rec D125 12.5cm Re D150 15cm Rec D150 15cm Rec D150 15cm Rec T5211XB T5 2' T T5421XB T5 2' T T8423XB T8 4' T T8423XB T8 4' T T8423XB T8 4' T T8423XB High B HB150H High B HB150H High B HB175H High B HB200H High B	Panel Light Panel	28 38 76 38 Power Consumption(W) 5 7 10 12 12 15 Power Consumption(W) 9 15 9 18	3500 4500 7600 3500 Luminosity (lm) 590 780 1180 1480 1500 1580 Luminosity (lm) 1100 2200 1100 2200	130 120 100 95 Efficacy (lm/W) 118 112 118 123 125 105 Efficacy (lm/W) 140 140 140	80 80 80 80 80 80 80 80 80 80	115 115 115 115 115 115 115 115 115 116 117 117 118 118 118 118 118 118 118 118	(3000K/4000K 5000K/6500K) (3000K/4000K 5000K/6500K) (3000K/4000K 5000K/6500K) (3000K/4000K 5000K/6500K) (3000K/4000K 5000K/6500K) (3000K/4000K 5000K/6500K) (3000K/4000K 5000K/6500K) (3000K/4000K 5000K/6500K) (3000K/4000K 5000K/6500K) (3000K/4000K 5000K/6500K) (3000K/6500K) (3000K/6500K) (3000K/6500K) (3000K/6500K) (3000K/6500K) (3000K/6500K)	599x599x11.7 599x599x11.7 599x599x11.7 599x1200x11.7 300x1200x11.7 Outer/Inner Dimension (mm) Ø100 x 35/Ø75 Ø114 x 48/Ø90 Ø160 x 35/Ø125 Ø164 x 52/Ø143 Ø200 x 35/Ø165 Ø220 x 34/Ø172 Dimension (mm) 563x22x35 1160x22x35	3200 3700 7200 3650 Weight (g) 208 217 390 394 599 687 Weight (g) 129 180	60000 60000 Lifetime (hrs.) 60000 60000 60000 Lifetime (hrs.) 60000 60000 60000 60000	3 3 3 Warranty(Ys) 3 3 3 Warranty(Ys) 3 3 3
### C1435XB	Panel Light Panel	76 38 Power Consumption(W) 5 7 10 12 12 15 Power Consumption(W) 9 15	7600 3500 Luminosity (lm) 590 780 1180 1480 1500 1580 Luminosity (lm) 1100 2200 1100	100 95 Efficacy (lm/W) 118 112 118 123 125 105 Efficacy (lm/W) 140 140	80 80 80 80 80 80 80 80 80	115 115 115 115 115 115 115 115 115 115	\$000K/6500K) [3000K/4000K 5000K/6500K] [3000K/4000K 5000K/6500K] Color Temperature [3000K/4000K 5000K/6500K] [3000K/4000K 5000K/6500K] [3000K/4000K 5000K/6500K] [3000K/4000K 5000K/6500K] [3000K/4000K 5000K/6500K] [3000K/4000K 5000K/6500K] [3000K/6500K] [3000K/4000K 5000K/6500K] [3000K/6500K] [3000K/6500K]	599x1200x11.7 300x1200x11.7 Outer/Inner Dimension (mm) Ø100 x 35/Ø75 Ø114 x 48/Ø90 Ø160 x 35/Ø125 Ø164 x 52/Ø143 Ø200 x 35/Ø165 Ø220 x 34/Ø172 Dimension (mm) 563x22x35 1160x22x35	7200 3650 Weight (g) 208 217 390 394 599 687 Weight (g) 129	50000 Lifetime (hrs.) 60000 60000 60000 Lifetime (hrs.) 50000 60000	Warranty(Ys) 3 3 3 3 Warranty(Ys) 3 3 3
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D075 7.5cm Rec D090 9cm Rec D125 12.5cm Re D150 15cm Rec D165 16.5cm Re D180 18cm Rec Model Name Desc T5211XB T5 2' T T5421XB T5 4' T T8423XB T8 4' T T8423XB T8 4' T T8423XB H8150H High B H8150H High B H8175H High B H8200H High B	ecessed Light Tube Light Tube Light Tube Light	5 7 10 12 12 15 Power Consumption(W) 9 15	(lm) 590 780 1180 1480 1500 1580 Luminosity (lm) 1100 2200 1100	(im/W) 118 112 118 123 125 105 Efficacy (im/W) 140 140	80 80 80 80 80 CRI 80 80	95 95 95 95 95 95 95 180(Typ)	Temperature [3000K/4000K 5000K/6500K] [3000K/6500K] Color Temperature [3000K/6500K]	Dimension (mm) Ø100 x 35/Ø75 Ø114 x 48/Ø90 Ø160 x 35/Ø125 Ø164 x 52/Ø143 Ø200 x 35/Ø165 Ø220 x 34/Ø172 Dimension (mm) 563x22x35 1160x22x35	208 217 390 394 599 687 Weight (g) 129	60000 60000 60000 60000 60000 Ulfetime (hrs.)	3 3 3 3 Warranty(Ys
D090 9cm Reco D125 12.5cm Re D150 15cm Rec D165 16.5cm Re D180 18cm Rec Model Name Desc T5211XB T5 4' T T5421XB T5 4' T T8211XB T8 2' T T8423XB T8 4' T T8423XB H8150H High B H8150H High B H8175H High B H8200H High B	cessed Light ecessed Light ecessed Light ecessed Light ecessed Light Tube Light Tube Light Tube Light	7 10 12 12 15 Power Consumption(W) 9 15	780 1180 1480 1500 1580 Luminosity (Im) 1100 2200	112 118 123 125 105 Efficacy (Im/W) 140 140	80 80 80 80 CRI 80 80	95 95 95 95 95 95 180(Typ)	\$000K/6500K) (3000K/4000K \$000K/6500K) (3000K/4000K \$000K/6500K) (3000K/4000K \$000K/6500K) (3000K/4000K \$000K/6500K) Color Temperature (3000K/6500K) (3000K/6500K)	Ø114 x 48/Ø90 Ø160 x 35/Ø125 Ø164 x 52/Ø143 Ø200 x 35/Ø165 Ø220 x 34/Ø172 Dimension (mm) 563x22x35 1160x22x35	217 390 394 599 687 Weight (g) 129	60000 60000 60000 60000 Lifetime (hrs.)	3 3 3 Warranty(Y:
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D165 16.5cm Re D180 18cm Rec Model Name Desc T5211XB T5 2' T T5421XB T5 4' T T8423XB T8 4' T T8423XB T8 4' T Model Name Desc HB120H High B HB150H High B HB175H High B HB200H High B	excessed Light excessed Light excessed Light Excelption Tube Light Tube Light Tube Light	12 15 Power Consumption(W) 9 15	1500 1580 Luminosity (lm) 1100 2200	125 105 Efficacy (Im/W) 140 140	80 80 CRI 80 80	95 95 Beam Angle (*) 180(Typ)	(3000K/4000K 5000K/6500K) (3000K/4000K 5000K/6500K) (3000K/4000K 5000K/5500K) Color Temperature (3000K/6500K)	Ø200 x 35/Ø165 Ø220 x 34/Ø172 Dimension (mm) 563x22x35 1160x22x35	599 687 Weight (g) 129	60000 G0000 Ufetime (hrs.) 60000	3 Warranty(Ya
D180 18cm Rec Model Name Desc T5211XB T5 2' T T5211XB T8 2' T T8211XB T8 2' T T8211XB T8 2' T T8423XB T8 4' T Model Name Desc HB120H High B HB150H High B HB175H High B HB200H High B	consecution Tube Light Tube Light Tube Light	Power Consumption(W) 9 15	1580 Luminosity (fm) 1100 2200 1100	105 Efficacy (lm/w) 140 140	80 80 80	95 Beam Angle (*) 180(Typ) 180(Typ)	(3000K/4000K 5000K/6500K) (3000K/6500K) Color Temperature (3000K/6500K)	Ø220 x 34/Ø172 Dimension (mm) 563x22x35 1160x22x35	687 Weight (g) 129 180	60000 Uletime (hrs.) 50000	Warranty(Ys
Model Name Desc T5211XB T5 2' T T5421XB T5 4' T T8211XB T8 2' T T8211XB T8 2' T T8423XB T8 4' T Model Name Desc HB120H High B HB150H High B HB175H High B HB200H High B	Tube Light Tube Light Tube Light Tube Light	Power Consumption(W) 9 15	Luminosity (lm) 1100 2200 1100	Efficacy (lm/W) 140 140	CRI 80 80 80	Beam Angle (*) 180(Typ) 180(Typ)	(3000K/6500K) Color Temperature (3000K/6500K) (3000K/6500K)	Dimension (mm) 563x22x35 1160x22x35	Weight (g) 129 180	Ufetime (hrs.) 60000	Warranty(Ys
T5211XB T5 2' T T5421XB T5 4' T T8211XB T8 2' T T8423XB T8 4' T T8423XB T8 4' T Model Name Desc HB120H High B HB150H High B HB175H High B HB200H High B	Tube Light Tube Light Tube Light	9 15 9	(lm) 1100 2200 1100	(m/w) 140 140 140	80 80 80	180(Typ)	(3000K/6500K)	563x22x35 1160x22x35	129	60000 60000	3
T5421XB T5 4' T T8211XB T8 2' T T8423XB T8 4' T T8423XB T8 4' T Model Name Desc HB120H High B HB150H High B HB150H High B HB200H High B	Tube Light	15	2200 1100	140	80	180(Typ)	(3000K/6500K)	1160x22x35	180	50000	3
T8211XB T8 2' T T8423XB T8 4' T Model Name Desc HB120H High B HB150H High B HB175H High B HB200H High B	Tube Light	9	1100	140	80		257719525	70,4740	1.000	1 -3 24	
Model Name Desc HB120H High B HB150H High B HB175H High B HB200H High B UFO GPE1 UFO		- 22	-7077		140/16	120(Тур)	(3000K/6500K)	Ф28х580	157	50000	3
Model Name Desc HB120H High B HB150H High B HB175H High B HB200H High B UFO GPE1 UFO	Tube Light	18	2200	140	80	1 1 1 1 1 1 1					
HB120H High B HB150H High B HB175H High B HB200H High B UFO GPE1 UFC						120(Typ)	(3000K/6500K)	Ф28*1199	290	60000	3
HB150H High B HB175H High B HB200H High B UFO GPE1 UFC	scription	Power Consumption(W)	Luminosity (lm)	Efficacy (lm/W)	CRI	Beam Angle	Color Temperature	Dimension (mm)	Weight (g)	Lifetime (hrs.)	Warranty(Y
HB175H High B HB200H High B UFO GPE1 UFC	Bay Light	120	14400	120	80	25/45/60/ 90/110	(3000K/4000K 5000K/6000K)	Ф367x459	9500	60000	3
HB200H High B	Bay Light	150	18000	120	80	25/45/60/ 90/110	(3000K/4000K 5000K/6000K)	Ф367х459	10000	60000	3
UFO GPE1 UFO	Bay Light	175	21000	120	80	25/45/60/ 90/110	(3000K/4000K) 5000K/6000K)	Ф367х459	10000	60000	3
AC 200 TO 100	Bay Light	200	24000	120	80	25/45/60/	(3000K/4000K 5000K/6000K)	Ф367х459	11000	60000	3
UFO GPEZ UFO	O light	120	15600	130	80	60~110	(3000K/4000K 5000K/6000K)	Φ240x193.5	4900	60000	3
	O Light	150	19500	130	80	60~110	(3000K/4000K 5000K/6000K)	Ф280х193.5	5500	60000	3
FL50GW Floo	od Light	50	5150	95	80	60~110	(3000K/4000K 5000K/6000K)	328×197×178	3500	60000	3
FL55GW Floo	od Light	55	5750	105	80	60~110	(3000K/4000K 5000K/6000K)	328x197x178	4100	60000	3
FL100GW Floo	od Light	100	11500	115	80	60~110	(3000K/4000K 5000K/6000K)	437x237x189	6100	60000	3
Model Name Desc	cription	Power Consumption(W)	Luminosity (fm)	Efficacy (Im/W)	CRI	Beam Angle	Color Temperature	Dimension (mm)	Weight (g)	Lifetime (hrs.)	Warranty(Ys
SLO40LD Street	et Light	40	4800	120	85	50	(3000K/4000K 5000K/6000K)	431.3x160x89.3	2200	60000	3
SL090LD Stree	ret Light	90	10800	120	85	60	(3000K/4000K 5000K/6000K)	631.7x215x89.6	3300	60000	3
SL120LD Stree	TORNE .	120	14400	120	85	60	(3000K/4000K 5000K/6000K)	631.7×215×89.6	4200	60000	3

Note1: "CRI" → Color Rendering Index

Here described characteristics, properties or performance of materials are derived from data obtained under controlled test cond

All specifications are subject to change without notice. Errors and unissions excepted.

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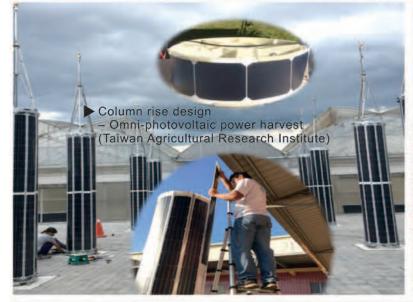
Yacht Light

(Ver. dt 02212020]





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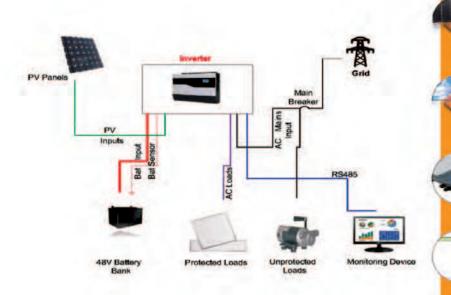






120 (3000K/6500K)

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Off-Grid / Grid-Tied / **Hybrid Solar PV System**



Settway's Solar PV System Outperforms Competitor's

Flexible Solar Module/Panel

The easier adaptation in field installation: Lightweight flexible modules on aluminum frame with holding brackets securing panels on the rooftop





Cell: size 6", 0.5V/5.5W each · 5 cells in serial connection · Total module watt : 26 W · Size: 873*197*1.65mm · Voltage/Current : 3V / 8.5 A Conversion efficiency: 23%



To accommodate needed PVs on rooftop, each FLX module slides into top-bottom brackets holding into place.



Flexible panels can be serial or parallel connected to achieve desired power output, e.g. 300wP output acquired by 10 pcs of 5-cell flexible PV module wired



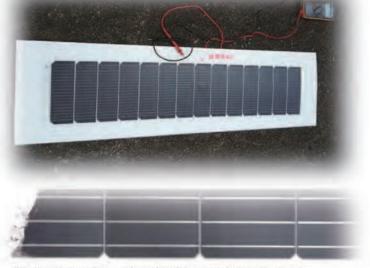
FLX solar panels on an electric scooter 26W *2 /14~17V Each 14-cell (1/3 sized) in serial connection · For high voltage applied device

PROCESSING ADVANTAGES

- Solar cell manufacturing processes by solid state nano imprinting lithography.
- lon-implanting solar cell materials are polarized in the high electric field, and are laminated onto a substrate based on UV-curing process.
- The process provides additional energy levels and enhances light absorption over different wavelengths. Impact ionization carriers are increasingly excited in the process resulting in extra electron-hole pairs
- Green manufacturing with absolute pollution-free processes in opposition to traditional containminated etching or packaging phases

TECHNOLOGICAL ADVANTAGES

- Optimized stable solar cells does not suffer from performance loss, in contrast to dye-sensitized solar cells that are easily impaired by light or heat damaging effect due to molecular cracking phenomenon.
- Multiple excitons are produced thanks to the impact izonization technology; that partial shades or disfigured areas do not affect efficiency decline in energy production.
- Lightweight \(flexible: solar cell epitaxials are applied on pliable substrates; achieving for water-proofing, corrosion free (salt-spray test), and weathering resistance.
- Increased operating voltages are attainable for the needed high voltage range of applications (e.g. 3V~8.5V by adding up cell voltages in a series circuit)



Technology edge - 19 multi ribbon and wire busbars, more electrons channels than traditional make.



High energy production assured by module characteristics of high impact-resistance and of superior temperature coefficiency.





Settway Energy Technology Corp

Flexible photovoltaic modules/panels

Operation Conditions Maximum System Voltage: 1000V Operating Temperature : -40 ~ + 85°C Maximum Static Load: Snow load 5400pa; Wind load 3600pa Product 10 years limited product warranty Warranty (materials and workmanship) 90% for 10 years guaranteed output Performance Warranty 80% for 25 years guaranteed output

Flexible Solar Panel - 330W

60-cell PV bare board with junction box, cable length 90cm Power voltage 30~33.6Vdc, power current [A]: 10.8A max. 1632 x 995 x 32 mm. net weight 4.2 Kgs

Flexible Solar Panel - 390W 72-cell PV bare board with junction box, cable length 90cm Power voltage 36~40Vdc, power current [A]: 10.8A max. 1948 x 995 x 32 mm. net weight 6 Kgs



Cell Size: 6", 60 pcs cell count Power range: 300/330W Power area: 1.632M² Solar conversion: 21%

SETTWAY RIGID SOLAR PV TYPE HIGHER KWH/KW SERIES



SettWay solar cell/module goes to nanometer texturing technology

That better localizes light into the textured surface with 60% more light absorbent

SettWay's
Mono-Crystalline
Solar Modules

System Cost
Reduced

Robust
Mechanical
Design

· Converting UV light into electricity at weak light Efficiency outperforms when exposed at indirect daylight

- · Advanced water and dust proof level · Resistance to salt corrosion and humidity
 - · Strong mechanical load up to 5400Pa
 - · Easy and low maintenance need
 - · Quality performance assured across product lifetime

Mono-crystalline photovoltaic panels



Working conditions:

Maximum System Voltage: 1000V

Operating Temperature: -40 ~ + 85°C

Maximum Static Load: Snow load 5400pa; Wind load 3600pa

S660 Series 290W-310W
Mono-Crystalline Photovoltaic Modules

	@STC"				
290	Pmax[Wp]	290 295	300	305	310
			+0%	-3%	
			Mono-cry	stalline 6"	
			60 (6	x 10)	
2,34	Vmp[V]	32,34 32.63	32.87	33.16	33.40
8.97	Imp[A]	8.97 9.04	9.13	9.20	9.28
9.12	Voc[V]	39.12 39.36	39.60	39.84	40.02
9.88	Isc[A]	9.88 9.73	9.84	9.94	10.06
7.9%	C/63	17.9% 18.2%	18.5%	18.8%	19.1%
7,9%		17,9% 18,2%			

Mechanical Characteristics
Imensions of the Module (W×H×D)(mm) 1632X995

registro f the Module(kg)

unction box

IP 67 or above with 3 bypass diodes ; cables 1M/p 4m

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SB60 Series 315w - 330w Mono-Crystalline Photovoltaic Modules

Electrical Performance	STC*1		Diff		
Maximum Output	Pmax[Wp]	315	320	325	330
Power Tolerance 7			+0%	-3%	
Solar Cell Type			Mono-cry	stalline 6"	
Number of Solar Cells	7		60(6	x10)	
Macamum Power Voltage	Vmp[V]	32.07	32.30	32.53	32.82
Maximum Power Current	Imp[A]	9.82	9.91	9.99	10.05
Open Circuit Voltage	Voc[V]	39.27	39.58	39.88	40.12
Short Circuit Current Isc	Isc[A]	10.35	10.43	10.52	10.61
Module Efficiency	[%]	18.17%	18.46%	18.75%	19.04%

1 STC: Irradiance level 1000W/m; Spectral AM1.5; Temperature 25dej *2 Power tolerance can be adjusted upon request

Mechanical Characteristics

Dimension of the Module (WxHxD)(mm) 1696x1
Weight of the Module (kg) 21

21 IP 67 or above with 3 bypass diodes: cables 1 M/-p 4 mm² 15A Solar Engergy Pumping System Gravity water
Purification System



Pump capacity 3600L/hr Pump rate: 60L/min Potable water output rate: 5L/min
*Water feed stands at 2.5M high required



Make Clean and Safe Drinking Water Immediate Accessible to All Puples King of Monks School, Cambodia Solar Energy Pumping System Gravity Water Purification System

Water Purification System

Clean pure water, sanitation and hygiene supply for domestic/service water use

√ Three years of product warranty √ No consumable parts needed for replacement √ Rountine maintence is made easy with auto backwash device equipped (Filter cleaning maintence by season is recommended putting in place A more frequent cleaning and maintence service is required in the poor water quality areas)

Model Nr.: 365213120

Height: 1465mm

Dia.: 440mm





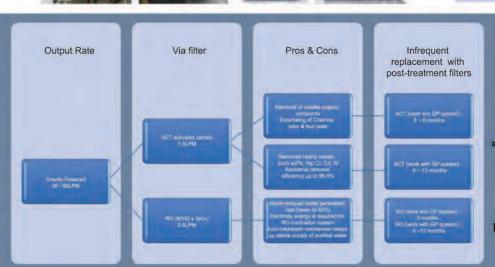


Water Production Capability

Model	Cylinder tank	Flow rate Liter/min
162103002	6"/150mm	2
162148006	6"/150mm	6
235195030	10"/250mm	30
365213120	16"/400mm	120

Note

□ Working pressure:0.8~7Kg/cm² Minimum pressure 3kg/cm2 required to match set flow rate respectively ☐ Flow rate measurement is on positive pressure force



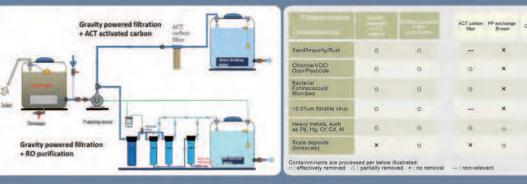
The filtration system of gravity powered + ACT activated in the drinking water is desired.

* Surface water such as river, lake, and rain water,

Reverse Osmosis purification system works to eliminate all containments, yet much reduced water generation rate than that of gravity powered filtration system.

** Electricity energy is required for RO purification system, meanwhile RO systems produce waste water.

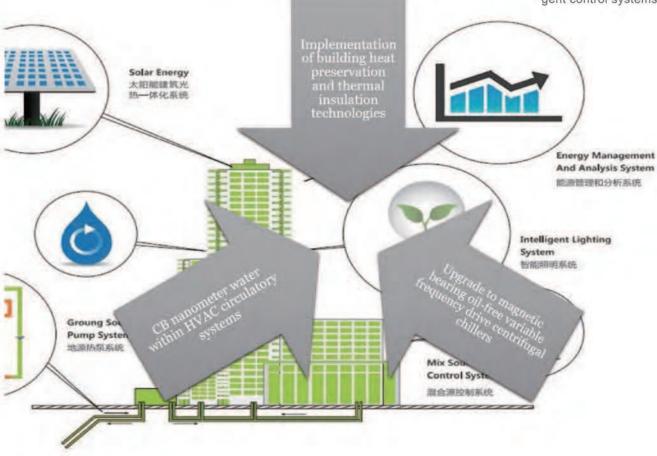
Save Lives, improve health Make access to clean drinking water





Implementation of New Energy-Saving **Technologies**

The deploying of feasible reliable technologies with commercially viable operation is benefited by energy conservation and efficient performance in optimal utilization of new advanced equipment and intelligent control systems.

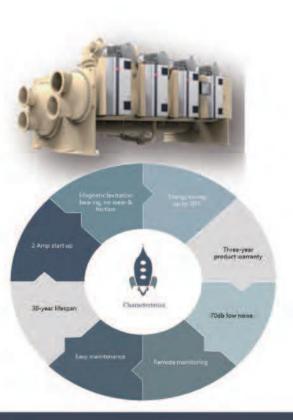


Upgrade to magnetic bearing oil-free variable frequency drive centrifugal chillers

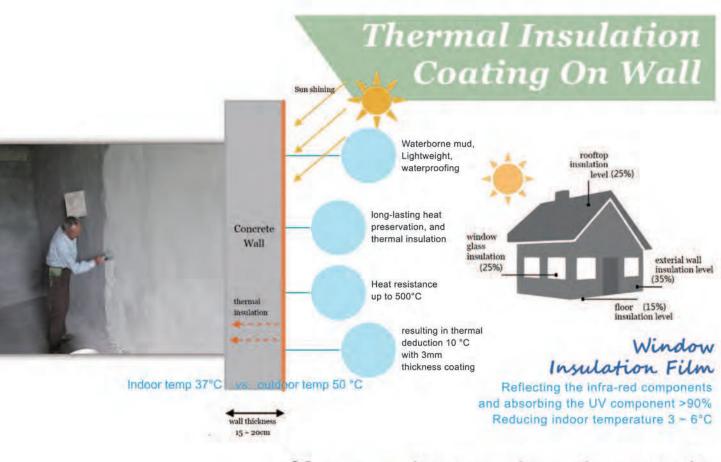
Employ the chiller units of energy label higher than the bureau of energy conservation announced, to effectively reduce energy consumption

Utilize centrifugal chiller units with variable frequency controls; Using well-performed chillers at partial (25~75%) load operation is required, which chillers maintain high running efficiency continu-

Coefficient of performance (COP) at full road and Integrated part load value, IPLV are both considering factors with chillers operation cycle.



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CB nano water generator system operates in the cooling tower intaking system

