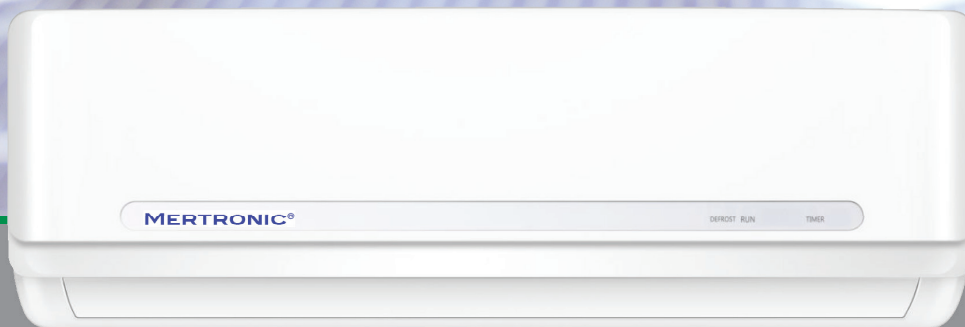


Dubai Solar Show 2017
MERKUR News



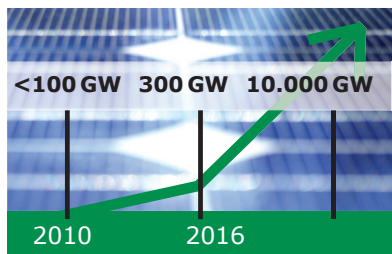
DUBAI SOLAR 2017:

SOLAR ENERGY - THE MAIN FUTURE ENERGY SOURCE

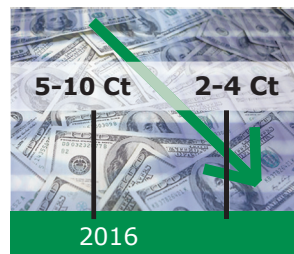
Today a dramatic change of the global energy supply market is taking shape! In line with very competitive bids for the latest Megaprojects in the Middle East, coupled with rising energy prices and reduced subsidies on energy by governments a strong surge of solar projects is on its way worldwide. A few facts:

many leading manufacturers in the field. EPC and EPCM role as well as consultancy and supply for solar systems is the domain of our solar energy department. E-Mobility and Energy Storage are the latest hot topics within the trend for better, cleaner and more competitive energy solutions from solar systems.

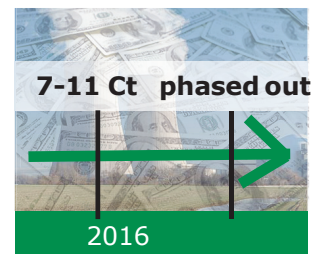
Solar energy worldwide



Solar Energy Production Cost (kWh)



Nuclear Energy Production Cost (kWh)



At the Dubai Solar Show (part of WETEX) you can witness the worldwide solar revolution taking its pace! The Middle East and the MENA region in general are located in the so called SOLAR BELT around the world. Not only are these regions blessed with rich oil and gas resources. The region is equally blessed with an immense solar intensity and unbeatable number of sun hours a year. Therefore the region is predestined for the exploitation of solar energy. Still dragging behind in comparison to mature solar markets the Middle East is joining the trend for ever growing investment in solar energy, which is the energy source for the foreseeable future at unbeatable economics and cleanliness.

For this particular reason **MERKUR** Uebersee-handel GmbH is proud to have its own engineering team to promote and sell highly efficient and state of the art solar systems in cooperation with

Savings in energy cost can be achieved by the choice of the most competitive energy source but equally important is the use and application of energy saving state of the art materials and equipment. The last year has brought major achievements for **MERKUR** in the further development of Solar Air Conditioners and Solar Street Lighting Technology. We are proud to showcase these innovations at the booth of our local agent in the UAE during the Dubai Solar Show 2017.

Please visit us at booth SK40 in Saeed Hall1, Dubai International Trade Center from October 23rd-25th 2017 with **GILCO CONTRACTING & BUILDING WORKS L.L.C.**

General Manager

MERTRONIC Independent Series

The FISOL Concept

MERTRONIC® FISOL Fully Integrated Solar Outdoor Luminaires are designed to meet the highest aesthetical and technical standards.

Integrating highly efficient solar modules, lithium batteries of extreme longevity and heat resistance, the luminaires are of unparalleled simplicity in installation and operation.

The units come with PLC (Programmable Logic Controller) built in. The individually adaptable 4 operation modes, which can be programmed in 9 different power settings allow to reach upto 7 days backup time. The units have a revolutionary design with a fully integrated luminaire which needs no wiring for installation.

The entire power supply, control unit and solar panel are directly and fully integrated in the

luminaire itself. Just fix it on the pole, switch it on and the unit will run perfectly and persistently for many years to come.

The luminaires are as per standard warranted for 2 years. Warrantee packages up to 4 years can be put together if needed.

Features

- Highest efficiency solar modules allow aesthetic design
- Batteries of 6-9 years lifetime (also in extreme ambient temperatures +70°C)
- LED life time 12 years
- Upto 36 different light intensity levels are programmable
- Upto 7 days autonomy
- Maintenance free for long periods



Mercedes Benz Energy Storage Home



Mercedes Benz Energy Storage Home

To achieve the main goal of the Energy Transition, i.e. reduction of greenhouse gases, material energy carriers need to be applied to store the primary electricity. This way renewable energy from own renewable energy resources can be stored and made accessible during periods the renewable energy will not be available otherwise due to the non availability of its main resource, for example solar or wind!

The recent price reductions in general in the solar field have given a strong boost to the development of renewable energy production. Consequently the demand for energy storage is on the rise.

Advanced technologies allow the prices for energy storage systems also to drop. The main driving factors behind the strong demand for energy storage comes therefore from residential energy

demand and at the same time from applications making the electric energy accessible for mobility applications in the automobile, individual transport and logistic field.

Mercedes Benz Energy Storage Home offers private households and business a solution to save resources and safely manage their own energy – to make the energy supply more independent and more efficient and to better cope with spikes in energy demand. The system offers the following benefits:

- Very reliable lithium-ion technology with long service life
- Automotive platform – developed for demanding conditions in cars
- Mercedes Benz Quality Made in Germany
- Modular system design (2.5kWh-20kWh)
- Lifetime: approximately 80% capacity remaining after ten years
- Expected number of cycles: 8000
- Saves resources
- Greater independence in energy supply

E Mobility

E MOBILITY

The thriving market for E-Mobility implies the need for infrastructure to feed the renewable energy into the battery storage systems of the vehicles. The INGEREV product range offers all the solutions for any kind of electric vehicle charging infrastructure. The product range covers domestic and public charging solutions, including "rapid charge" stations. The products are implementing latest technological developments. They are highly efficient and robust offering reliable function over a very long service life. The products are extremely user friendly, easy and safely to operate. There are:

- INGEREV GARAGE Basic: The domestic charging station
- INGEREV GARAGE: The professional charging station.



NGEREV GARAGE professional charging station.

- INGEREV CITY Duo: The dual urban charging station

- INGEREV RAPID 50: The rapid charging station.

Ingeteam has designed its INGEREV® RAPID 50 product range based on its extensive experience in the manufacture of power converters, thereby guaranteeing the optimal reliability and efficiency of its chargers.

The INGEREV® RAPID 50 features advanced local and remote communication capabilities via Ethernet, 3G and Wi-Fi for integration in local and/or remote control centers, payment platforms and charge managers using different versions of the OCCP protocol (customized or standard). Its 7" TFT color touch screen improves the user interface and also offers an advertising option.



THE ULTIMATE SUPERSAVER!

MERTRONIC®

MERTRONIC® Solaris Series

**solar inverter type
Aircon, 12000Btu, 230V,
grid connected!
Run down the energy
cost upto 90%!**

SOLARIS

MERTRONIC® FISOL Fully Integrated Solar Outdoor Luminaires are designed to meet the highest aesthetical and technical standards.

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- LED life time 12 years
- Upto 36 different light intensity levels are programmable
- Upto 7 days autonomy
- Maintenance free for long periods

Energy Saving (At cool ing mode)

Type	Energy/day	Energy/month	Energy/year
Non-Inverter	6.4 Kwh	192 Kwh	2304 Kwh
Normal Inverter	4.1 Kwh	123 Kwh	1476 Kwh
Solar Inverter (three PV panel)	1.7 Kwh	51 Kwh	612 Kwh
Solar Inverter (four PV panel)	0.9 Kwh	27 Kwh	324 Kwh
Solar Inverter (six PV panel)	0.16 Kwh	4.8 Kwh	57.6 Kwh

AUTOSOL / SOLMATE WINDOW SOLAR AC

New Air Cons

pa

- Maintenance free for long periods

SOLMATE Air Cons Window Typs



Model		?	?	?	?
BTU		6000	1.5HP	2HP	3HP
Power Supply		DC12V/24V	DC24V/48V	DC48V	DC48V
Capacity		1700W/6000BTU	2500W/9000BTU	3500W/12000BTU	4000W/14000BTU
Input Power	Cooling	350W	500W	750W	900W
	Heating	300W	470W	730W	880W
Currency (Amp)	Cooling	7.3A	11.1A	15.6A	18.5A
	Heating	6.5A	10.8A	14.8A	18.3A

AUTOSOL SolarAir Cons



Model		?
Capacity	Cooling	9.000 BTU 2600 W
	Heating	10.000 BTU 2800 W
Noise Indoor		≤40 dB(A)
Noise Outdoor		≤50 dB(A)
Air Circulation		850 m³/h
Suitable Area		10~15 m²
EER		4,67 W/W 15,79 Btu/h/w
Refrigerant		R-134A
Compressor	Panasonic DC 24V inverter compressor	
Rated Power Input		600 W
Rated Current		23 A
Input Power range		DC 21-29 V
Dimension Indoor Unit	Shipping	530*300*160 mm
	NET	600*350*225 mm
Dimension Outdoor Unit	Shipping	645*245*495 mm
	NET	725*320*540 mm
Weight Indoor Unit	Net/Gross	8/10 kg
Weight Outdoor Unit	Net/Gross	35/38 kg

Headquarter Germany

Mattentwiete 5
20457 Hamburg
Germany

☎ +49 - 40 32 08 27 3
☎ +49 - 40 32 08 27 59

✉ mail@merkur-hamburg.de

Office United Arab Emirates

Level 41, Emirates Towers
Sheikh Zayed Road
P.O. Box: 31 303
Dubai - U.A.E.

☎ +971 - 43 13 28 92
☎ +971 - 43 13 27 53

Office Hongkong

Unit 1202, Level 12,
One Peking Building
1 Peking Road, Tsim Sha Tsui
Hongkong

☎ +852 - 39 80 92 25
☎ +852 - 39 80 92 34

Distributors

Afghanistan

Liberty Corporation Co.
64m Street, Herat City
Afghanistan
☎ +937 - 99 69 44 81

Bahrain

Shaheen Group
P.O.Box 405
Manama
Kingdom of Bahrain
☎ +973 -17 81 35 35z

Cameroon

CALICO Sarl
BP 15566
Douala
Cameroon
☎ +237- 22 43 80 44

Ghana

Luminant Electricals
P.O. Box CT5204
Cantonment-Accra
Ghana
☎ +233 - 27 52 29 62 2

Lebanon

Tele Project
P.O. Box 55268
Sin el Fil
Lebanon
☎ +961 - 16 87 900

Oman

Trade Links and Services Co. LLC
P.O.Box 2901
Ruwi 112
Sultanate of Oman
☎ +968 - 24 70 67 75

Saudi Arabia

Ahmed Omer Bagazy Est.
P.O. Box 16367
Jeddah 21464
Saudi Arabia
☎ +966 - 26 47 29 28

Sri Lanka

Rotax Limited
332 Galle Road
Colombo 04
Sri Lanka
☎ +94 - 11 55 74 07 0

United Arab Emirates

GILCO CONTRACTING & BUILDING
WORKS L.L.C.
P.O. Box 4916
Deira, Dubai
United Arab Emirates
☎ +971 - 43 96 15 25

Yemen

Al Ashwal for Electrical Trade &
Agencies
Shoub Street
Sana'a
Yemen Republic
☎ +967 - 12 82 43 2