

MERKUR[®]
CLIMATISATION

Solar Air-Conditioners 48V DC



MERKUR[®]
GERMAN TECHNOLOGY

Merkur Solar Air-Cons 48V DC



Ulrich Scheller
Export Manager

For over 100 years – since the time of Werner von Siemens – German Technology is renowned for outstanding innovation and technical leadership. **MERKUR**® Ueberseehandel GmbH is committed to this long tradition.

Under **MERKUR**® German Technology we develop and produce warranted, durable high quality products in the following segments:

- Electrotechnology
- **DUPROLUX**® Lighting
- Metering
- Power Distribution
- Climatisation
- Renewable Energy

MERKUR® clients worldwide can rely on our vast experience. We offer authorised distributors competitive prices better allowing them to compete in the market. We also successfully cooperate with contractors who are bidding for public utility tenders.

MERKUR® is a reliable partner with a tradition of providing individually tailored products and solutions in accordance with customers' needs. Contact us and we gladly assist you with more details about our products and services. Get in touch with us!



Export Manager

Performance Characteristics



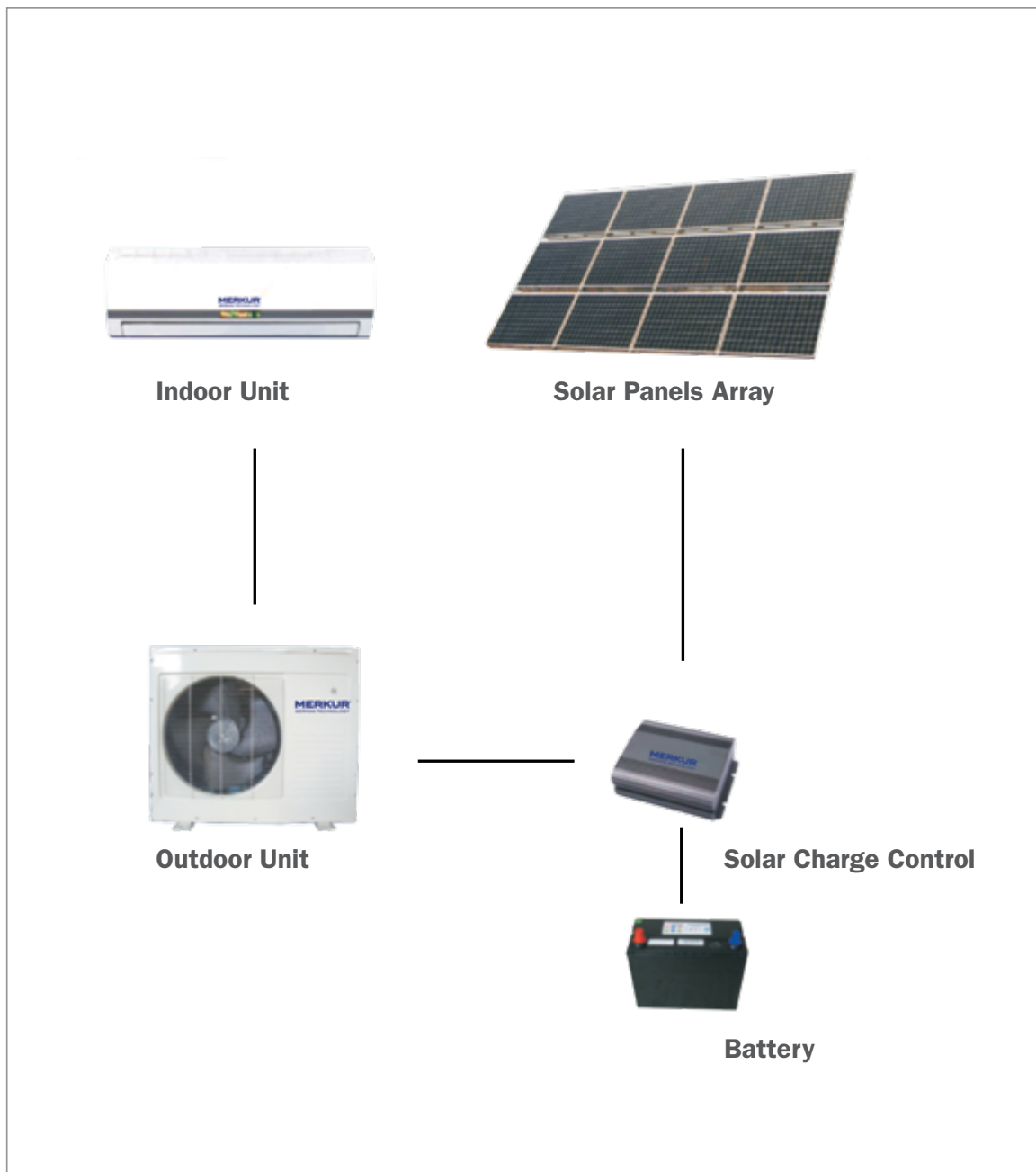
Merkur 100 % Solar Air Conditioners

- State of the art 48V DC compressors operate powerfully and smoothly and with low loads, which results in very long life time
- Noise reduction achieved by application of off-center blade technology and foam air ducts

- Optional heating function makes our Air-Con an ideal application for back up heating during the cold season coming at a lesser cost than direct electric heating from grid power
- Microcomputer enhanced performance
- Remote control or touch panel operation

The Solar Collector System

The elements



Merkur Solar Air-Cons 48V DC



Indoor Unit



Outdoor Unit

100 % Wall Mounted Type 48 DC Solar Air Conditioner

MERKUR® German Technology SOLAR Air-Cons are:

- Microprocessor controlled and operating on DC power
- Compressor driven by special CPU. Infinite variable speed, high efficiency compressor
- No AC-power required, 100% driven by renewable energy and 100% energy saving
- Low voltage power drive for all the electric parts, minimum energy loss
- R134A eco friendly, CFC free
- Hybrid mode (on-grid installation) with grid power through a Rectifier System
- The operation is convenient and simple
- Intelligent Defrost Mode, Independent Dehumidification Mode, Sleep Mode
- Operating at low noise
- Auto Protect capability in case of malfunction and Auto Restart function
- Cooling Mode, optional Cooling & Heating Mode
- Infrared Ray long distance infrared Remote Control
- Self-protection function

Merkur Solar Air-Cons 48V DC

Model			ULGS-26GW/DC	ULGS-35GW/DC	ULGS-50GW/DC	ULGS-72GW/DC
			0.75 Tons	1 Tons	1.5 Tons	2 Tons
Capacity	Cooling	Btu/h	9000	12000	18000	24000
	Heating	W	2600	3500	5200	7000
	Indoor	Btu/h	10000	13000	20000	27800
	Outdoor	W	2900	3800	6000	8000
Noise	Indoor	db(A)	≤ 40	≤ 42	≤ 46	≤ 50
	Outdoor	db(A)	≤ 50	≤ 52	≤ 56	≤ 58
Air Circulation		m ³ /h	450	550	850	1050
Suitable Area		m ²	10~15	12~25	20~30	30~48
EER		W/W	4,56	4,67	4,73	4,80
		Btu/h/w	15,79	16,00	16,36	16,38
Power Input	Cooling	W	570	750	1100	1500
Rated Current	Cooling	A	12	16	23	31
Input Voltage		V	44V - 57V DC	44V - 57V DC	44V - 57V DC	44V - 57V DC
Refrigerant			R-134A	R-134A	R-134A	R-134A
Compressor		DC 48	DC 48V	DC 48V	DC 48V	DC 48V
Operation Temp.		C°	17-30	17-30	17-30	17-30
Dimensions						
Indoor Unit	Net	mm	775*260*210	775*260*210	1070*385*265	1070*385*265
	Shipping	mm	840*325*265	840*325*265	1100*400*285	1100*400*285
Outdoor Unit	Net	mm	790*260*540	790*260*540	790*260*540	850*300*755
	Shipping	mm	910*370*610	910*370*610	910*370*610	950*410*760
Weight						
Indoor Unit	Net/Gross	kg	11/13	13/15	15/17	17/19
Outdoor Unit	Net/Gross	kg	38/40	45/48	48/52	56/58

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