

DESCRIPTION



Monobloc heat pump with special integrated design, is the best choice for sanitary hot water supply. You can place it in both indoor basement/kitchen and outdoor balcony with simple installation. The heating efficiency is 3 time higher than traditional gas/electrical water heater, which will obviously save your cost.



FEATURES



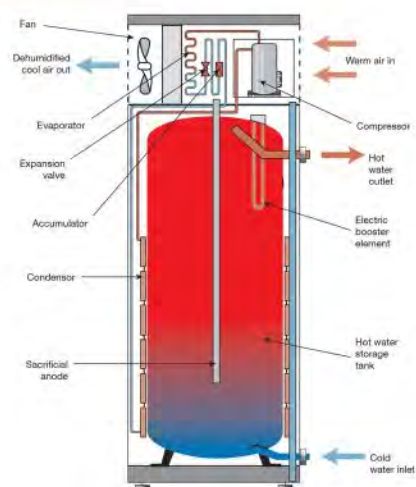
OPTIONAL



- High Efficiency Panasonic Compressor
- Electronic Expansion Valve
- 5 protection programs for safe use
- Intelligent controlling system
- SS304 water tank, Anti-corrosion
- Magnesium anode protection
- Auto-defrosting
- Low noise and vibration
- Easy installation
- R417a or R134a refrigerant, ECO friendly
- Auxiliary electrical heating
- Solar coil combination
- SS316L water tank
- Enamel water tank

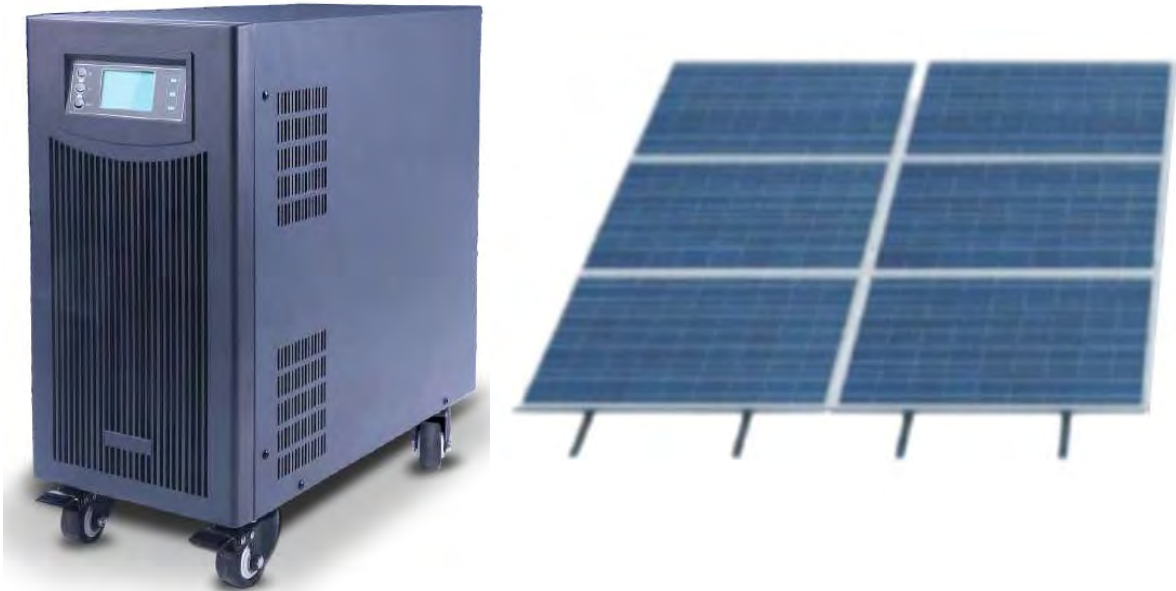


DIAGRAM



Model No.	Unit	K35 150WL	K35 200WL	K35 250WL
Rated heating capacity	W	3500	3500	3500
	BTU/H	12000	12000	12000
Rated input power	W	850	850	850
COP		4.1	4.1	4.1
Running current	A	3.9	3.9	3.9
Auxiliary heating (optional)	W	2000	2000	2000
Rated water yield	L/h	75	75	75
Rated outlet water temp	°C	55	55	55
Max outlet water temp	°C	60	60	60
Power supply	V/Ph/Hz	220-240/1/50		
Compressor		Panasonic Rotary		
Refrigerant		R417a (R134a for option)		
Fan motor input	W	30	30	30
Fan speed	RPM	870	870	870
Noise	dB(A)	48	48	48
Tank volume	L	150	200	250
Water tank material		SS304/316L Enamel		
Water connections	Inch	G3/4"		
Unit dimension	mm	Φ 510	Φ 570	Φ 570
	mm	1660	1750	2050
Net Weight	kg	75	86	98
Loading qty (20GP/40HQ)	PCS	26/54	24/48	24/48
Measuring conditions	Ambient temperature DB20°C/WB15°C; to heat initial water temperature from 15°C to 55°C			

UTICA® Solar MobileGrid 1500-1500



Flexible

- For systems from 500W to 5000W
- 1phase operation, connectable in parallel and modularly extendable
- AC and DC coupling

Simple

- Easy commissioning with the“Quick Configuration Guide”
- Complete off & on-grid management

Efficient

- High efficiency
- Intelligent battery management for maximum battery life
- Charge level calculation

Robust

- Extreme overload capability
- Proactive temperature management system
- 2-year warranty

Solar Powered Generator

UTICA® Solar MobileGrid is an off-grid solar power system that works 24-hours a day, powered by photovoltaic modules, complementing your existing energy consumption and hence, reducing electricity bills and carbon footprint.

The easy deployable system makes commissioning within minutes possible. All required operational settings can be made quickly and easily in just a few steps. The UTICA® MobileGrid is powerful, extendable and takes on all control processes.

Its first-class intelligent power processing unit ensures maximum battery life. It also features impressive efficiency, a rugged metal enclosure and active cooling system. With an output rating of 230V and 50 Hz, the UTICA® MobileGrid is designed perfect

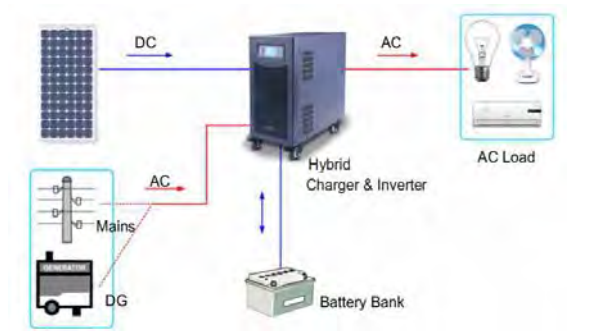
Technical Data
Solar panel
Max power
Power/day
AC output (Loads)
Nominal AC voltage (adjustable)
Nominal frequency (adjustable)
Continuous AC power at 25 °C / 45 °C (77 °F / 113 °F)
THD output voltage / power factor (cos ϕ)
AC input (generator or grid)
AC input voltage (range)
AC input frequency (range)
Battery DC input
Battery voltage (range)
Max. battery charging current / continuous charging current at 25 °C (77 °F)
Battery type
Capacity
Efficiency / operating consumption
Max. efficiency
Internal consumption with no load / standby
Protection devices
DC reverse polarity protection / DC fuse
AC short-circuit / AC overload
Overtemperature / excessive battery discharge
General data
Inverter Dimensions (W / H / D) in mm (in)
Inverter Weight
Operating temperature range
Protection rating (as per IEC 60529)
Each 12V100Ah Battery Size
Battery Box Size (Optional)
Features / function
Operation & display / multifunction relays
3-phase systems / parallel connection
Integrated bypass / multicluster operation
Charge level calculation / full- / equalization charge
Integrated soft start / generator support
Battery temperature sensor / communication cables
Warranty: 2 / 5 / 10 / 15 years
Certificates and permits
Accessories
Battery cables / battery fuses
Interfaces (RS485 / Multicluster PB)
"GenMan" extended generator start
Load-shedding contactor / battery current measurement
● Standard features ○ Optional features — Not available
Last revision: January 2015
Remarks

MobileGrid 1500-1500
1500W
5250WH
230V
50HZ
1500 W
<5%
230V
50HZ
48V
120 A / 100 A
lead-acid battery / lithium battery
48V,100Ah (4 pcs 12V100Ah)
85%
25 W / 4 W
●/●
●/●
●/●
580 x 560 x 857
11 KG
−25 °C ... +50 °C (−13 ° F ... +122 °F)
indoors
lead-acid battery:332x174x239 mm (30kg) / lithium battery:306x168x216 mm (13kg)
586 x 556 x 290 mm (1 set can put 4 pcs 12V100Ah battery)
internal / 2
●/●
—/●
●/●/●
●/●
●/●
●/○/○/○/○
www.utica.sg
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System integrated controller & inverter, simply connect the solar panels and batteries to the system, the system can work, easy for use. Structure for inverter is low frequency, and that for controller is PWM.

- UTICA PV Mobile Grid 1200 Series
- System capacity 1.2 kVA
 - Indoor system
 - Emergency backup power for communications
 - Digital LED display indicates battery capacity status and total wattage
 - UPS built-in
 - Continuous electricity
 - Surge protections
 - 30m PV cable
 - Integrated handles



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Solar Off-grid System