

UTICA™



UTICA PV MobileGrid 1000 Series

- Assembled in Singapore
- LED lights, radio, notebook, color TV and fans
- System capacity 1000VA
- Weatherproof for outdoor
- Remote building sites
- Inverter efficiency 85>
- fast-charge power when you need it most
- Portable and easy installation
- AC & DC appliances anywhere
- Maintenance-free battery as well as an indestructible outer case
- Mini water pumps, wireless communication and computers

UTICA 1000-800

UTICA 1000-1000

UTICA 1000-1200

Capacity		1000VA		
System Voltage		24V		
Solar Panel Data				
Total power (Watt Peak)		800Wp (100W, 8pcs)	1000Wp (100W, 10pcs)	1200Wp (100W, 12pcs)
Connection		2pcs in series with 4 strings in parallel	2pcs in series with 5 strings in parallel	2pcs in series with 6 strings in parallel
Voltage (V) & Current (A)		34.4/23.28	34.4/29.1	34.4/34.92
100W Solar Panel Data				
Maximum Power Voltage (V)		17.2		
Maximum Power Current (A)		5.82		
Open Circuit Voltage (V)		21.89		
Short Circuit Current (A)		6.26		
Number Of Cells (Pcs)		72 (6x12)		
Maximum System Voltage (V)		1000		
Size Of Module (mm)		963 x 805 x 35		
Cell Efficiency (%)		15.5		
Weight Per Piece (kg)		10.5		
CPU Data				
Solar Controller	Rated Voltage (V)	24	24	24
	Max Load Current (A)	30	40	40
	Full Charge Cut (V)	27.4	27.4	27.4
	Low Voltage Cut (V)	21	21	21
	Solar Panel Input Voltage (V)	50	50	50
PV Inverter	Output Voltage (V)	220VAC±2%	220VAC±2%	220VAC±2%
	Output Frequency	50HZ±0.5	50HZ±0.5	50HZ±0.5
	Output Current	4.6A	4.6A	4.6A
	Output Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
	THD Distortion	≤3% linear load; non-linear load<5%	≤3% linear load; non-linear load<6%	≤3% linear load; non-linear load<7%
	Response Time	< 10ms	< 10ms	< 10ms
	Overload Ability	120%,30 Seconds	120%,30 Seconds	120%,30 Seconds
Efficiency of Inverter	≥87%	≥87%	≥87%	
Best Output Power Per Day		4000WH	5000WH	6000WH
Max Output Power Per Day		4800WH	7200WH	7200WH
Indication Function (LCD)		PV Inverter Voltage, Output Frequency, Battery Voltage Value and Operation Display		
Cooling		Forced Air Ventilation	Forced Air Ventilation	Forced Air Ventilation
Related Humidity		0%-90%(no condensation)	0%-90%(no condensation)	0%-90%(no condensation)
Protection Function		Overload, Short-Circuit, Under-Voltage, Overvoltage, Over-Temp		
Operation Temperature		-10~50℃	-10~50℃	-10~50℃
Size (mm)		555 x 132 x 496		
Weight Without Batteries (Kg)		28	28	28
Battery Data				
Model		12V,100Ah (2pcs)	12V, 100Ah (2pcs) 12V, 50Ah (2pcs)	12V, 100Ah (2pcs) 12V, 50Ah (2pcs)
Connection		2 units in series	2 units in series and in parallel	2 units in series and in parallel
Capacity		24V, 200Ah	24V, 300Ah	24V,300Ah
Load Reference		Color TV, LCD Computer, Energy-saving lamp, Printer, Electrograph, Water Pump		