



UTICA PV MobileGrid 2000 Series

- System capacity 2kVA
- Weatherproof for outdoor
- Seamlessly power for home appliances and electronic devices
- External DC Connections
- Surge protections
- Easy to transport
- Communication systems, radio beacon, visual signals, water pump and LED lights

UTICA 2000-1400W

UTICA 2000-1600W

UTICA 2000-1800W

Capacity		2000VA		
System Voltage		24V		
Solar Panel Data				
Total power (Watt Peak)		1400Wp (100W, 14pcs)	1600Wp (100W, 16pcs)	1800Wp (100W, 18pcs)
Connection		2pcs in series with 7 strings in parallel	2pcs in series with 8 strings in parallel	2pcs in series with 9 strings in parallel
Voltage (V) & Current (A)		34.4/40.74	34.4/46.56	34.4/52.38
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)	45	50	60
	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	9.1A	9.1A	9.1A
	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	≥87.5% linear load	≥87.5% linear load	≥87.5% linear load	
Best Output Power Per Day	7000WH	8000WH	9000WH	
Max Output Power Per Day	9600WH	9600WH	10800WH	
Indication Function (LCD)	PV Inverter Voltage, Output Frequency, Battery Voltage Value, and Operation Display			
Cooling	Forced Air Ventilation	Forced Air Ventilation	Forced Air Ventilation	Forced Air Ventilation
Related Humidity	0%-90%(no condensation)	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℃	-10~50℃
Size (mm)		555 x 132 x 496		
Weight Without Batteries (Kg)	30	30	30	30
Battery Data				
Model	12V,100Ah (4pcs)	12V, 100Ah (4pcs)	12V, 100Ah (3pcs) 12V, 50Ah (3pcs)	
Connection	2 units in series and in parallel	2 units in series and in parallel	2 units in series and in parallel	
Capacity	24V,400Ah	24V,400Ah	24V,450Ah	
Load Reference	Color TV, LCD Computer, Energy-saving lamp, electric fan, Printer, Electrograph, Water Pump, Refrigeratory, Washing machine			