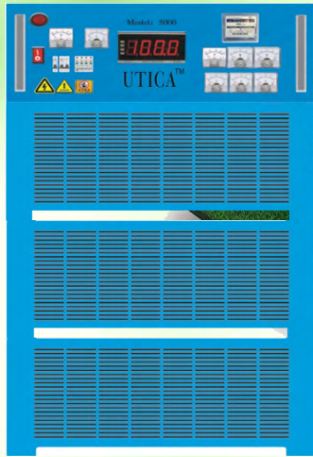


UTICA™



UTICA PV MobileGrid 5000 Series

- System capacity 5kVA
- Indoor system
- Reliable, robust and top of the range
- Extremely powerful
- system efficiency
- Quality solar cell with TUV and CE accredited modules
- UPS built-in
- Overload and over-temperature protection
- Energy management system
- Intelligent controller and monitoring system
- Supply up to 24hrs uninterrupted solar power
- Built-in transfer relay provides reliable backup power capability
- Field Serviceable
- Roof or ground-mounted solar panels
- 5 years warranty, (a 10 year service plan can be purchased)
- 20 year warranty on modules
- General appliances, multi air-conditions, washing machine, computers, refrigerator and satellite receivers

UTICA 5000-3200W UTICA 5000-3600W UTICA 5000-4000W

Capacity		5000VA		
System Voltage		48V		
Solar Panel Data				
Total power (Watt Peak)		3200Wp (100W, 32pcs)	3600Wp (100W, 36pcs)	4000Wp (100W, 40pcs)
Connection		4pcs in series and 8 strings in parallel	4pcs in series and 9 strings in parallel	4pcs in series and 10 strings in parallel
Voltage (V) & Current (A)		68.8/46.56	68.8/52.38	68.8/58.2
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)	48	48	48
	Max Load Current (A)	50	60	60
	Full Charge Cut (V)	54.8,Default Value, Can Be Reset	54.8Default Value, Can Be Reset	54.8Default Value, Can Be Rest
	Low Voltage Cut (V)	42,Default Value, Can Be Reset	42,Default Value, Can Be Reset	42,Default Value, Can Be Reset
	Solar Panel Input Voltage (V)	80	80	80
PV Inverter	Output Voltage (V)	220VAC±2%	220VAC±2%	220VAC±2%
	Output Frequency	50HZ±0.5	50HZ±0.5	50HZ±0.5
	Output Current	22.8A	22.8A	22.8A
	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	≥92% linear load	≥92% linear load	≥92% linear load
Best Output Power Per Day		16000WH	18000WH	20000WH
Max Output Power Per Day		19200WH	19200WH	28800WH
Indication Function (LCD)		Inverter Output Voltage And Output Frequency, Battery Voltage Value, Load Volume And So On		
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)		555X180X496		
Weight Without Batteries (Kg)		38	38	38
Battery Data				
Model		12V, 100Ah (4pcs)	12V, 100Ah (4pcs)	12V, 50Ah (12pcs)
Connection		4 units in series	4 units in series	4 units in series
Capacity		48V, 400Ah	48V, 400Ah	48V, 600Ah
Load Reference		Color TV, LCD Computer, Energy-saving lamp, electric fan, Printer, Electrograph, Water Pump, Refrigeratory, Washing machine, Rice cooker, Air-condition		