



UTICA PV MobileGrid 3000 Series

- System capacity 3kVA
- Indoor system
- Generates constant Free Electricity
- UPS built-in
- Maximum power in minimum time
- Absolutely no noise
- High performance PV modules
- Surge protections
- Roof or ground-mounted solar panels
- Single air-condition, small appliances, rice cooker, color TV, refrigerator, fans and computers

UTICA 3000-1600W

UTICA 3000-2000W

UTICA 3000-2400W

		UTICA 3000-1600W	UTICA 3000-2000W	UTICA 3000-2400W
Capacity		3000VA		
System Voltage		48V		
Solar Panel Data				
Total power (Watt Peak)		1600Wp (100W, 16pcs)	2000Wp (100W, 20pcs)	2400Wp (100W, 24pcs)
Connection		4pcs in series with 4 strings in parallel	4pcs in series with 5 strings in parallel	4pcs in series with 6 strings in parallel
Voltage (V) & Current (A)		68.8/23.28	68.8/29.1	68.8/34.92
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)	48	48	48
	Max Load Current (A)	30	40	40
	Full Charge Cut (V)	54.8, Default Value, Can Be Reset	54.8 Default Value, Can Be Reset	54.8 Default Value, Can Be Reset
	Low Voltage Cut (V)	42, Default Value, Can Be Reset	42, Default Value, Can Be Reset	42, Default Value, Can Be Reset
PV Inverter	Solar Panel Input Voltage (V)	80	80	80
	Output Voltage (V)	220VAC±2%	220VAC±2%	220VAC±2%
	Output Frequency	50HZ±0.5	50HZ±0.5	50HZ±0.5
	Output Current	13.6A	13.6A	13.6A
	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	≥90.2% linear load	≥90.2% linear load	≥90.2% linear load	
Best Output Power Per Day		9000WH	10000WH	12000WH
Max Output Power Per Day		14400WH	14400WH	19200WH
Indication Function (LCD)		Inverter Output 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)		32	32	32
Battery Data				
Model		12V, 100Ah (2pcs) 12V, 50Ah (2pcs)	12V, 100Ah (2pcs) 12V, 50Ah (2pcs)	12V, 100Ah (4pcs)
Connection		4 units in series		
Capacity		48V,300Ah	48V,300Ah	48V,400Ah
Load Reference		Color TV、LCD Computer、Energy-saving lamp、electric fan、Printer、Electrograph、Water Pump、Refrigeratory、Washing machine、Rice cooker		