

UTICA™



UTICA PV Mobile Grid 500 Series

- System capacity 500VA
- Indoor system
- High efficient Compact
- Rugged and extremely portable
- Effective and efficient
- Plug & play quick installation
- Backup generator for disasters and outages

		UTICA 500-200	UTICA 500-400	UTICA 500-600
Capacity		500VA		
System Voltage		24V		
Solar Panel Data				
Total power (Watt Peak)		200Wp (100W, 2pcs)	400Wp (100W, 4pcs)	600Wp (100W, 6pcs)
Connection		2pcs in series	2 pcs in series and parallel	2 pcs in series and parallel
Voltage (V) & Current (A)		34.4/5.82	34.4/11.64	34.4/17.46
100W Solar Module 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)	10	15	20
	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	3A	3A	3A
	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	≥93% linear load	≥93% linear load	≥93% linear load	
Best Output Power Per Day		1000WH	2000WH	3000WH
Max Output Power Per Day		2400WH	4800WH	7200WH
Indication Function (LCD)		PV Inverter Voltage, Output Frequency, Battery Voltage Value, and Load Meter		
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)		250x450x855		
Weight Without Batteries (Kg)		25	25	25
Battery Data				
Model		12V, 50Ah (2 units)	12V,100Ah (2 units)	12V,100Ah (2 units) 12V, 50Ah(2pcs)
Connection		2 units in series	2 units in series	2 units in series and in parallel
Capacity		24V,100Ah	24V,200Ah	24V,300Ah
Load Reference		Color TV, electric fan, energy saving lamp, LCD Computer		