

TECHNICAL SPECIFICATION OF IPCT MODELS

MODELS	IPCT 650 VA	IPCT 850 VA	IPCT 1000 VA	IPCT 1500 VA	IPCT 2500 VA	IPCT 3500 VA
Rated Power (VA)	650	850	1000	1500	2500	3500
Output Voltage (VAC)	230 ± 10%					
Output Frequency (Hz)	50.0 ± 1 Hz					
Output type	Pure sinewave					
Max. AC (Mains/Grid) Charge Current	12 Amps (INV mode) / 9 Amps (UPS mode)					
Nominal battery voltage (VDC)	12V	12V	12V	24V	48V	48V
Max. solar PV open circuit voltage	25	25	25	50	100	100
AC Input voltage range	180-260 (UPS mode) / 100-280 (inverter mode)					
Transfer time	<10 ms (UPS mode) / <40 ms (inverter mode)					
Solar Controller Type	RTC clock based PWM solar controller					
Solar Controller Charging Current (Max)	50 Amps					
Battery low cut-off	10.5 ± 0.2 VDC (Per 12V battery)					
Battery charging boost voltage	14.4 ± 0.1 VDC (Per 12V battery)					
Battery charging float voltage	13.6 ± 0.2 VDC (Per 12V battery)					
Total Harmonic Distortion (THD)	< = 3% @ resistive load					
Protections	PV short-circuit ; AC short circuit ; Battery low voltage ; Overload; Battery Short Circuit ; Surge ; Over / Under input voltage					
Display	LCD (Colour Changing back light)					
Dimension (mm)	275 x 250 x 110			276 x 305 x 205		276 x 305 x 295
Operating conditions	Temp : -10 to + 50 Deg. C : RH : 0 - 90% non condensing					
Cooling	Automatically control by cooling fan.					
Net Weight (Kgs)	8.6	9.5	9.9	15.8	17.3	19.8
Gross Weight (Kgs)	9.5	10.3	10.7	17	19	22.5