

MODEL	MSIP-UPS		
CAPACITY (KVA)	1 KVA TO 7.5 KVA		
INPUT			
NOMINAL VOLTAGE	220V / 230V / 240V AC		
OPERATING VOLTAGE RANGE	160V~265V AC FULL LOAD / 110 VAC HALF LOAD		
OPERATING FREQUENCY RANGE	50 / 60 Hz		
POWER FACTOR	0.97(CONDITIONS: RATED VOLTAGE, FULL PURE RESISTIVE LOAD, FULLY CHARGED BATTERY)		
TECHNOLOGY	PWM-IGBT BASED		
OUTPUT			
RATED VOLTAGE	220V / 230V / 240V AC ±1%		
POWER FACTOR	0.8 (STANDARD)		
VOLTAGE REGULATION	±1%		
FREQUENCY	50 ± 0.1 Hz		
CREST FACTOR	3:1		
OVERLOAD	20% FOR 10 MIN, 20% FOR 5 MIN, 50% FOR 1 MIN, 50% FOR 1 SEC		
INVERTER OVERLOAD	108%~150% 30S>150% 300MS(NORMAL MODE), 108%~150% 300MS(BATTERY MODE). 200% FOR<60MINS (BYPASS)		
HARMONIC DISTORTION (THDV)	2% MINIMUM @100% LINEAR LOAD /3% MINIMUM @100% LINEAR LOAD		
OVERALL EFFICIENCY	≥/ =90% WITH INBUILT ISOLATION		
BATTERY			
BATTERY VOLTAGE	156V DC / 192V & 230V DC (CONFIGURABLE)		
TYPICAL RECHARGE TIME	6~8 HOURS TO 90% OF FULL CAPACITY		
CHARGE CURRENT	6A	10A	
BATTERY TEST REPORT	TYPE TEST REPORT AS PER RELEVANT GOVERNING SPECIFICATIONS FROM GOVT LAB.		
SYSTEM FEATURES			
IP PROTECTION	IP 20 / IP21 OR HIGHER		
TRANSFER TIME	ZERO		
PROTECTION	PROTECTION FOR UNDER VOLTAGE AT BATTERY TERMINAL, PROTECTION OF OVER VOLTAGE, SHORT CIRCUIT&OVER LOAD AT UPS OUTPUT TERMINAL, OVER TEMP PROTECTION		
ALARM / PROTECTION/INDICATIONS	INPUT/OUTPUT VOLTAGE, INPUT/OUTPUT CURRENT, INPUT/OUTPUT FREQUENCY, INPUT/OUTPUT POWER, INPUT/OUTPUT POWER FACTOR, BATTERY VOLTAGE AND CURRENT		
LED DISPLAY	Line Mode, Backup Mode, ECO Mode, Bypass Mode, Battery Low, Overload & UPS Fault		
LCD DISPLAY	LCD SCREEN WITH INDICATIONS AND ALARMS9INPUT MAINS ON,SYSTEM OVERLOAD, BATTERY LOW, MAIN FAIL, INVERTER FAULT, INVERTER TRIP, BATTERY TRIP, LOAD ON BATTERY, LOAD ON BYPASS		

INVRONMENTAL		
TEMPERATURE	Operating: 0~50°C	
HUMIDITY / ALTITUDE	0~95% RELATIVE HUMIDITY NC AT 40DEGREE	
NOISE	Low Audible Noise Level	
PHYSICAL		
NET WEIGHT (KG)	66KG(APPROX)	
STANDARDS		
QUALITY	ISO 9000, ISO 14001, BIS	
SAFETY	IEC 62040 - 1 : 2008	
EMC / PERFORMANCE	IS 16242(PART 1) : 2014/IEC 62040 - 1 : 2008	

*Specifications are subject to change without prior notice.