

MODEL	MSIP-UPS	THREE PHASE INPUT/SINGLE PHASE OUTPUT
CAPACITY (KVA)	10 KVA TO 30 KVA	
INPUT		
NOMINAL VOLTAGE	400 ± 10 % VAC THREE-PHASE	
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	230V SINGLE-PHASE	
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	324V TO 384V (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	

ENVIRONMENTAL		
TEMPERATURE	Operating: 0~50°C	
HUMIDITY / ALTITUDE	0~95% RELATIVE HUMIDITY NC AT 40DEGREE	
NOISE	Low Audible Noise Level	
PHYSICAL		
NET WEIGHT (KG)	290KG(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.

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