

Silicon

Silicon Power Systems is a Leading UPS Manufacturing Company with Fresh contemporary out look engaged in the field of manufacturing of UNINTERRUPTED POWER SUPPLY Systems and related POWER CONDITIONING Equipments. we have the most modern "STATE OF ART" Technology incorporating advanced high frequency pulse width modulation technique advanced high IGBT/MOSFET. The silicon UPS Systems are of true on-line UPS especially designed for Indian power conditions. silicon UPS provides total protection to your critical equipments against any voltage and frequency variations.



Applications:

- Banks/ATM's
- Data Centers
- Deep Freezers
- Laboratories
- Petrol Pumps
- Hospitals
- Telecom Towers
- BPOs/Call centers
- Elevators & Escalators
- Restaurants and Hotels
- Industrial Drives & Motors
- Clubs, Pubs and Discotheques
- Schools / Educational Institutions
- Super Markets /Shopping Malls
- Textile Industry and many more



SYSTEM OVERVIEW	Single Phase I/P Single Phase O/P	Three Phase I/P Single Phase O/P	Three Phase I/P Three Phase O/P
INPUT			
VOLTAGE	220V AC Single Phase & N	415V AC three Phase & N	415V AC three Phase & N
TOLERANCE	-25% , +30%	-25% , +25%	-25% , +25 %
FREQUENCY	50Hz ± 5%	50Hz ± 5%	50Hz ± 5%
OUTPUT			
VOLTAGE	220VAC Single phase	220VAC Single phase	400VAC 3Phase-3Phase, 220VAC Single phase between L & N
REGULATION	+ 1%	+ 1%	+ 1%
FREQUENCY	50Hz ± 1%	50Hz ± 1%	50Hz ± 1%
WAVE FORM	TRUE SINE WAVE	TRUE SINE WAVE	TRUE SINE WAVE
ISOLATION		GALVONIC ISOLATION PROVIDED	
HARMONIC DISTORTION	LESS THAN 3%	LESS THAN 3%	LESS THAN 3%
OVERLOAD CAPACITY	125% for 10 mins, 150% for 60 Sec	150% for 60 Sec 125% for 10 mins,	125% for 10 mins, 150% for 60 Sec
TRANSIENT RESPONSE CREST FACTOR	FOR 100% step load change, out traverse + 10% & recovers within 2 cycles		
EFFICIENCY			
INVERTER	Above 91% on full load	Above 91% on full load	Above 91% on full load
COVERTER	Above 90%	Above 90%	Above 90%
OVERALL	Above 84%	Above 84%	Above 84%
BATTERY			
UPS DC VOLTAGE	48VDC TO 192 VDC	192VDC TO 360 VDC	192VDC TO 360 VDC
BACK-UP TIME	15 MINS TO 5HRS		
Above 5hrs can also be provided depending upon user requirements			
BATTERY			
CAPACITY	DEPENDS ON BACK-UP	DEPENDS ON BACK-UP	DEPENDS ON BACK-UP
RECHARGE TIME	3HRS TO 8HRS DEPENDING ON BATTERY CAPACITY		
TECHNOLOGY			
INV TECHNOLOGY	APWM	APWM	APWM
CHARGER TECHNOLOGY	CVCC	CVCC	CVCC
POWER MODULE	IGBT DEVICE	IGBT DEVICE	IGBT DEVICE
CONVERTER MODULE	THYRISTOR ALONG WITH IGBT	THYRISTOR ALONG WITH IGBT	
MODULE COOLING	FORCED AIR COOLING	FORCED AIR COOLING	FORCED AIR COOLING
ENVIRONMENTAL			
OPERATING TEMP.	0 TO 50 degree Centigrade	0 TO 50 degree Centigrade	0 TO 50 degree Centigrade
AUDIOBLE NOISE		< 50 db(at 1 meter from surface)	
STORAGE TEMP.	-10 TO + 70 DEG CENT	-10 TO + 70 DEG CENT	-10 TO + 70 DEG CENT
INDICATIONS			
FRONT PANEL	MAINS ON, CHARGER ON, INVERTER ON, INVERTER O/L, INV UV/OV TRIP, BAT LOW ALONG WITH WARNING BUZZER		
PROTECTIONS			
OUTPUT OVER / UNDER VOLTAGE	TRIP,(high speed pulse by pulse electronic over voltage / under voltage protection,) Electronic over current trip with reset OUTPUT OVER LOAD TRIP, SHORT CIRCUIT TRIP, HRC FUSE PROTECTION FOR I/P, O/P, BAT & INV, OVER CHARGE TRIP, BATTERY LOW TRIP Soft start for 0-20 seconds power walk - IN		
PROVISIONS			
ALL INDICATIONS THROUGH LCD DISPLAY,	MANUAL BYPASS PROVIDED	STATIC BYPASS (OPTIONAL)	OUTPUT ISOALTION PROVIDED


Silicon Power Systems
 customers are our inspiration
 No. 222, 3rd Cross, N.R. Colony,
 Airport Road Cross, Bangalore - 17
 siliconups@rediffmail.com
 Tell : 080-25270544, Cell : 09845165321

Authorised Dealers