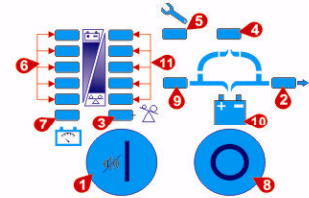




Control Panel



- 1 Switch on & alarm removal button
- 2 Inverter indicator
- 3 Overload indicator
- 4 Bypass indicator
- 5 Fault indicator
- 6 Battery capacity indicator
- 7 Battery low voltage
- 8 Switch off
- 9 Utility indicator
- 10 Battery mode indicator
- 11 Load indicator

Online UPS

itP11 Series (1KVA ~ 10KVA)

Application:

small network, servers and other IT equipment
Telecom, V-SAT, ATM equipments

- High frequency and double conversion on-line technology
- Advanced PFC & IGBT technology
- Advanced battery management
- Lightning and surge protection
- Fan speed auto control when loads varies
- Optional extension battery pack
- Short circuit and overload protection
- Smart RS232 communication with monitoring software
- EMI/RFI noise filter
- Optional SNMP card
- MTBF 300000 hrs
- Cold start facility
- Hot standby configuration
- High input power factor

itP11 Series

specifications

Model		itP11 - 1	itP11 - 2	itP11- 3	itP11 - 5	itP11 - 6	itP11 - 7.5	itP11 - 10
Capacity		1KVA	2KVA	3KVA	5KVA	6KVA	7.5KVA	10KVA
Input	Voltage Range	when load <70% range = 110Vac to 280 Vac when load 70% range = 155Vac to 280 Vac			160 - 280Vac			
	Frequency	45~ 55 Hz						
	Phase	Single phase						
	Input Power Factor	> 0.97						
Output	Voltage Range	220 / 230Vac ± 1%						
	Frequency Range	Synchronized range: ±1Hz, ±2Hz, ±3Hz selectable ; Free running: 50 Hz ±0.2%						
	THD (Linear load)	<2%						
	THD (non-Linear load)	<3%	< 4%					
	Overload Capability	125% for 10 minutes, 150% for one minute, auto resume when load reverts to normal						
	Crest Factor	3:1						
	Waveform	Pure sine wave						
	Transfer Between AC Mode And Battery Mode	0 ms						
	Transfer Between inverter Mode and Bypass Mode	Transfer time: 2.5ms			<1ms			
	Transient variation	< ± 5V for 100% step load change						
	Transient recovery	< 20 ms						
	Bypass transfer time	< 2.5ms						
	Efficiency	> 92%						
	Battery	Model	SMFB/Tubular					
DC Voltage		36VDC	96VDC			240VDC		
Charge Current (Long backup)		7A			5A-7A			
Recharge Time		>90% capacity after 8 hrs charging						
Electrical protection		input/output over/under voltage, over temperature, overload, short circuit, battery low trip						
Alarms		line failure, battery low, transfer to bypass and system fault						
Communication Interface		RS232 ; SNMP (optional)						
LED Indication		load or battery capacity						
Noise Level		<45dB						
Standards		EN50091-1-1; IEC62040-2; IEC61000-3-2; IEC61000 -3-3						
Environment	Temperature	0 - 45°C						
	Humidity	0%~95% (Non-condensing)						
	Altitude	<1500m						
	Storage Temperature	-25~55						
Other	Net weight (w/o battery)	7 Kg	18 Kg	19 Kg	35Kg	36Kg	40Kg	40Kg
	Gross weight (w/o battery)	9Kg	20Kg	21Kg	46Kg	47Kg	50Kg	50Kg
	Dimension (W D H)mm	144 x 412 x 213	191 x 470 x 338			365 x 645 x 815		
	Packing (W D H)mm	235 x 525 x 323	325 x 605 x 465			270 x 570 x 717		

Specifications are subject to change without notice due to continuous R&D

Hi-Rel Electronics Limited

HI-REL

Powering Growth

B - 102, GIDC Electronics Zone, Sector 25,
Gandhinagar - 382044. Gujarat. India

Phone: +91-79-23287180 / 23287181

Fax : +91-79-23287182

E-mail: ipower_sales@hirel.net , contact@hirel.net

Website: www.hirel.net

Branches: Ahmedabad, Ankleshwar, Asansul, Aurangabad, Baroda, Bangalore, Bilaspur, Bhilai, Bhubaneswar, Bhopal, Chennai, Chandigarh, Delhi, Faridabad, Gandhinagar, Guwahati, Goa, Gwalior, Hyderabad, Indore, Jabalpur, Jamnagar, Jamshedpur, Jaipur, Kolkata, Lucknow, Mumbai, Nagpur, Nasik, Patna, Pune, Ranchi, Siliguri, Surat, Vapi, Visakhapatnam

