



Single Phase IT & Infra UPS Systems

Range: 1 kVA to 3 kVA (1:1)







About IP11 Series IT & Infra UPS

IP11 Series UPS is a true on-line UPS with microprocessor controller that delivers continuous, high-quality AC power to connected equipment with no interruption when transferring to battery. It provides protection from blackouts, brownouts, sags, surges or noise interference and provides reliable and stable power.

This UPS is a full feature transformer free UPS designed to offer compact, efficient and reliable solutions to modern electronic gadgets. It features true double conversion on line back up power solution for small data centres, data networks, voice networks and process automation equipments.

IP11 Series UPS provides customers with a reliable source of uninterruptible power even in harsh power environment, including very wide input voltage / frequency window, better output voltage regulation, frequency regulation, internal bypass, and input power factor correction and low THDi.

It has built-in RS-232 and bundled monitoring software. This online UPS offers enhanced performance for power monitoring.

Advantages

- Easy to install and operate
- Compact footprint
- Robust and reliable connectivity
- LCD interface
- UPS can be configured with or without battery
- UPS can be configured to ECO mode
- Designed to operate in challenging electrical environment
- Low EMI emission compliant for commercial installation
- Large input voltage window

The Solution For

- Small range server and corporate network
- Routers, switches and hubs
- Personal workstation
- Security system
- Service sector, Wi-Fi application
- Infrastructure, small office network
- Health sector, medical equipments
- Banks and ATMs

SNMP card

Modbus card

6A extra charger card

AS-400

- Sensitive electronics equipments
- Process automation equipments

Internal isolation transformer

Optional Features

Extended battery pack

Features

- High frequency and double conversion on line technology
- Advanced PFC & IGBT technology
- Lighting and surge protection
- Fan speed auto control when loads varies
- Short circuit and overload protection
- Smart RS 232 communication with monitoring software
- EMI/RFI noise filter
- Cold start facility
- MTBF 300000 hrs
- Hot standby configuration
- High input power factor



Configuration

- Standalone UPS
- Standalone with inbuilt isolation transformer

Remote monitoring service through SNMP

In-built battery



Technology

Advanced PFC & IGBT technology



Certification













Communication Connection



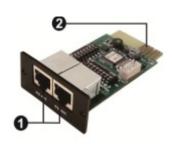


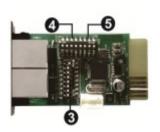


RS-232 Port

Intelligent Slot

MODbus





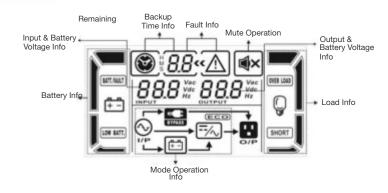
- 1 RS-485 port
- 2 Golden finger
- 3 Address switch
- 4 Communication setting



AS-400 Remote shutdown

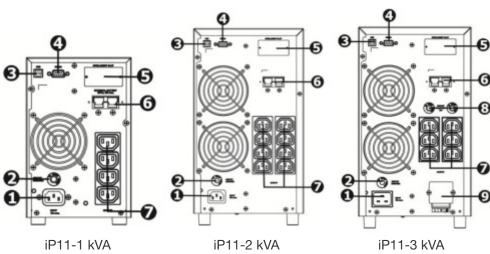








Connections



- AC input
- Input circuit breaker USB communication port
- RS-232 communication port
- SNMP intelligent slot
- External battery connection (only available for L model)
- Output receptacles
- Output circuit breaker
- Output terminal



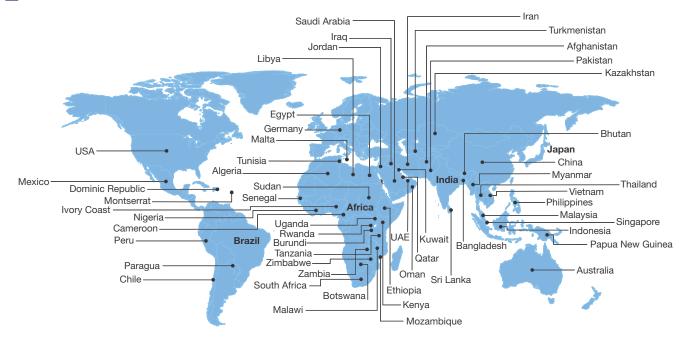


Model		IP11-1/IP11S-1/IP11H-1	IP11-2/IP11S-2/IP11H-2	IP11-3/IP11S-3/IP11H-3
Phase			Single Phase with Ground	
Capacity		1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W
Input				
Nominal Voltage		100 / 110 / 115 / 120 / 127 VAC or 200 / 208 / 220 / 230 / 240 VAC		
Input Voltage Range		55 - 150 VAC or 110 - 300 VAC (Based on Load at 50%) 85 - 140 VAC or 160 - 280 VAC (Based on Load at 100%)		
Frequency Range		40 Hz ~ 70 Hz		
Power Factor		≥ 0.99 @ Nominal Voltage (100% Load)		
Output				
Output Voltage		100 / 110 / 115 / 120 / 127 VAC or 200 / 208 / 220 / 230 / 240 VAC		
Voltage Regulation		± 1%		
Frequency Range (Synchronized Range)		47~ 53 Hz or 57 ~ 63 Hz		
Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz or 60 Hz ± 0.3 Hz		
Overload		Ambient Temp <30°C 105% - 110% UPS Shut Down After 10 min. at Battery Mode or Transfer to Bypass When Utility is Norma 110% - 130% UPS Shut Down After 1 min. at Battery Mode or Transfer to Bypass When Utility is Normal >130% UPS Shut Down After 3 sec. at Battery Mode or Transfer to Bypass When Utility is Normal		
Current Crest Ratio		3:1		
Harmonic Distortion		≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-Linear Load)		
Transfer Time	AC Mode to Battery Model Inverter to Bypass	Zero 4 ms (Typical)		
Waveform (Batt. Mode)		Pure Sinewave		
Efficiency	,			
AC Mode (Overall)		88%	88%	90%
Battery				
Standard Model	Battery Type		12 V / 7 AH	
	Numbers	3 8		
	Typical Recharge Time	4 Hours Recover to 90% Capacity		
	Charging Current (max.)	1A		
	Charging Voltage	41.0 VDC ± 1% 109.4 VDC ±1%		
Long-run Model*	Battery Type	Depend	ling on the Capacity of External B	atteries
	Numbers	3	6 8	6 8
	Charging Current (max.)		1A / 2A / 4A / 6A (Adjustable)	
	Charging Voltage	41.0 VDC ± 1%	82.1 VDC ±1% 109.4 VDC ±1%	82.1 VDC ±1% 109.4 VDC ±19
Indicators				
LCD		Load Level, Battery Level, AC	C Mode, Battery Mode, Bypass M	ode and Fault Indicators
Alarm				
Battery Mode		Sounding Every 4 Seconds		
Low Battery		Sounding Every Second		
Overload		Sounding Twice Every Second		
Fault		Continuously Sounding		
Physical				
Standard	Dimensions (WxDxH) (mm)	397 x 145 x 220	419 x 19	90 x 318
Model	Net Weight (kgs)	13	26 30.5	28 33
Long-run Model**	Dimensions (WxDxH) (mm) Net Weight (kgs)	397 x 145 x 220 7	13	13
	it			
Environmen		20 - 90 % RH @ 0 - 40°C (Non-Condensing)		
Environmen Humidity		20 - 90	70 1111 @ 0 40 0 (14011 0011001101	
			Less than 50dBA @ 1 meter	
Humidity	nt			
Humidity Noise Level				

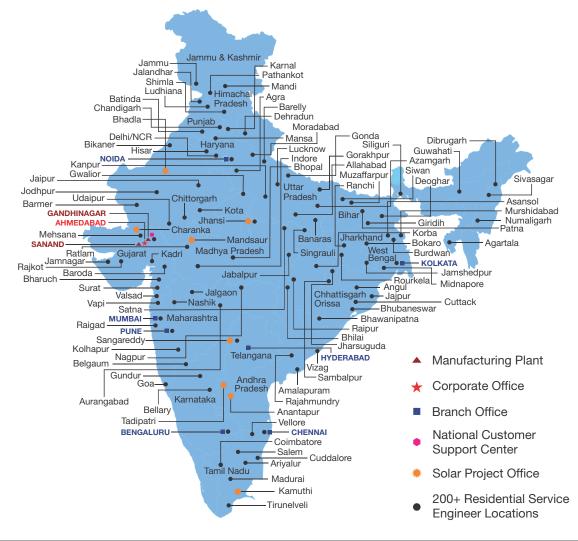
 $^{^{\}star}$ 1 - 3 kVA: Derate to 80% of capacity in frequency converter mode and to 80% when the output voltage is adjusted to 100 / 200 / 208 VAC ** Long-run model is only available in 200 / 208 / 220 / 230 / 240 VAC systems (200 VAC system only available for 1-3 kVA)

^{*} Product specifications are subject to change without further notice

Worldwide Presence



Pan India Presence





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