



DIP - EA900IIRT 1-10KVA (RACK UPS SYSTEM)

DIP EA900IIRT 1KVA-10KVA Online UPS is the high density version of on-line double-conversion UPS with input power factor correction (PFC), output power factor 0.9 offering high levels of reliability and protection for IT systems, telecommunications equipment and mission critical systems. The UPS is Rack and tower convertible, and takes up only 2-3U in height. For critical business continuity applications requiring long runtimes, DIP EA900IIRT UPS (long time model) can be installed with battery extension packs.



Features

- High frequency and true double-conversion
- DSP digital control technology
- Input power factor correction (PFC)
- Wide input voltage range (110V-300V)
- Output power factor 0.9
- Cold start ● Frequency adaptive
- ECO mode operation for energy saving
- Selectable output voltage via LCD
 - Output bypass settable for 1,2,3KVA via LCD
- 50Hz/60Hz frequency converter mode available on 6-10KVA
- Selectable battery low voltage via LCD
- Automatically diagnose when starts
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatically charging battery at UPS off mode
- Fan speed auto control when load varies
- Standard RS232 communication port and RJ45 protection
- Optional USB/SNMP communication port
- Optional emergency power off (EPO)
- Optional extension battery bank
- Optional N+X redundancy parallel on 6-10KVA



MODEL	DIP EA901IIRT	DIP EA902IIRT	DIP EA903IIRT	DIP EA906IIRT	DIP EA9010IIRT		
Capacity	1KVA/900W	2KVA/1800W	3KVA/2700W	6KVA/5400W	10KVA/9000W		
INPUT							
Rated Voltage	208V/220V/230V/240VAC						
Voltage Range	Half load (115-295)±5VAC			Half load (115-295)±5VAC			
	Full load (145-295)±5VAC			Full load (165-295)±5VAC			
Frequency	45-55Hz±0.5% or 55-65Hz±0.5% (Auto Sensing)			40-70Hz±0.5% (Auto Sensing)			
Power Factor	≥0.98			≥0.99			
Bypass Voltage Range	Rated output voltage-34V ~ Rated output voltage+32V			160V ~ Rated output voltage+32V			
OUTPUT							
Voltage	208V/220V/230V/240VAC Setting available via LCD						
Voltage Regulation	±1%						
Frequency	Synchronized with utility on AC mode;50/60±0.2Hz on battery mode						
Waveform	Pure sine wave						
Crest Factor	3:1						
Harmonic Distortion	≤3%(Linear load);≤5%(Non-linear load)			≤2%(Linear load);≤5%(Non-linear load)			
Transfer Time	AC mode to battery mode :0ms			AC mode to battery mode :0ms			
	Inverter model to bypass mode:4ms(Typical)			Inverter model to bypass mode:0ms			
Overload Capability	105%-150%:Transfer to bypass after 30s;			105%-125%:Transfer to bypass after 3mins;			
	>150%: Transfer to bypass after 300ms			125%-150%: Transfer to bypass after 30s;			
EFFICIENCY							
AC Mode	≥90%			≥92%			
Battery Mode	≥87%			≥91%			
ECO Mode	≥98%			≥98%			
BATTERY							
DC Voltage	24V	48V	72V	192V			
Inbuilt Battery of Standard Model	2*9Ah	4*9Ah	6*9Ah	16*7Ah	16*9Ah		
Charge Current	Standard Model	1A					
	Long Time Model	6A		1A/3A/5A/8A			
Typical Recharge Time	8 hours recover to 90% capacity						
ALARM							
Utility Failure	Beep/4s						
Battery Low	Beep/1s						
Overload	Beep Twice/1s						
UPS Fault	Long Beep						
ENVIRONMENT							
Humidity	20~90% RH @ 0~40°C(non-condensing)						
Noise Level	≤50dB (1m)			≤55dB (1m)			
MANAGEMENT							
Standard RS-232 ,Optional USB	Supports Windows 98/2000/2003/XP/Vista/2008/Windows7/8						
Optional SNMP	Power management from SNMP manager and web browser						
PHYSICAL							
Long	Dimension(mm) W*D*H	440*468*88			440*555*132		
	Packing Dimension(mm) W*D*H	530*590*170			535*660*215		
Time	Net/Gross Weigh(kg)	8.6/12.0	10.7/14.1	12.3/15.7	16.4/20.7	17.1/21.4	
Standard Model	Dimension(mm) W*D*H	440*468*88		440*690*88		440*555*132(UPS)	
						440*555*132(BAT)	
	Packing Dimension(mm) W*D*H	530*590*170		530*825*170		535*660*215(UPS)	
						540*685*235(BAT)	
Net/Gross Weigh(kg)	14.3/17.7		23.4/26.8		29.7/33.1		
					16.4/20.7(UPS)	17.1/21.4(UPS)	
						43.6/47.1	49.6/53.1(BAT)

■ All specifications subject to change without notice.