

## **EP RP SERIES**

1 Phase in / 1 Phase Out 1 KVA - 10KVA

- IT INFRASTRUCTURE TELECOME MEDICAL EQUIPMENT INSTITUTION
- 🝝 PRE-PRESS & PRINTING 🍝 BANK







EP RP series (1P-1P):

The EP RP series UPS systems are designed using high frequency PWM voltage frequency Independent (VFI) technology with micro controller based electronic control system.

- It requires minimum battery sizing (lesser no. of Batteries).
- The peak surge handling capacity of 300% for 3000msc.
- UPS comes with the Automatic Static Bypass switch. (Electronic Bypass).
- True Inbuilt Isolation Transformer by design@ output.
- IGBT based Design.
- Control Designed to withstand all kinds of load.
- Intelligent Battery Management to Prolong Battery Life Cycle.
- CVCF (Constant Voltage Constant frequency).
- High Reliability Digital control.
- ♣ N+1 hot standby option upto10units.
- Wide Input Voltage Range.













## **True Online UPS**

## 1 Phase in / 1 Phase Out



## **TECHNICAL SPECIFICATION:**

MODEL	EPRP10	01	EPRP1002		EPR	P1003	EPRP1005	EPRP1006	EPRP101
Capacity	1 kVA		2 kVA		3 k	VA	5 kVA	6 kVA	10 kVA
INPUT	<u> </u>				<u> </u>				
Nominal Voltage				220V/230V/2	40V AC (1Ph+i	N+PE, 3 Wire)			
Operating Voltage Range	140V~280V AC Load Dependent								
Operating Frequency Range	50 Hz ± 1% (Auto Sensing)								
Power Factor					>0.9				
ОИТРИТ									
Output Voltage/Power Factor			220V ,	/ 230V / 240\	/ AC / ±1% / 0.	8 Std., 0.9 Opt	ional		
Output Frequency	Auto Sensing 50Hz								
Harmonic Distortion (THDv)	<2% (Linear load), <5% (Non Liner Load)								
Crest Factor					3:1	- Par .			
Efficiency		14.5	Up to	94% Dual C	onversion Mod	le, 99% ECO M	lode		
BATTERY									
DC Voltage	36V	72V	96V	96/180V	144/180V	180/192V		180/192V	
Charge Current				6.	5 A Configurab	ole			
Typical Recharge Time				8 Hour	s (90% of full ca	apacity)			
SYSTEM FEATURES									
LCD Indication	Input Voltage/Frequency, Output Voltage/Frequency								
LED Indication		Load Leve	I Rattery Level I						
	Load Level, Battery Level, Line On, Battery On, Inverter On, By Pass, Fault & Reset Button  Batt. Low, DC High, Inverter Under/Over Voltage, UPS Over Load, Short Circuit, Fan Failure and UPS Fault.								
Alarms / Protection	Bat	t. Low, DC H			-				ult.
	Bat	t. Low, DC H	ligh, Inverter Unc	der/Over Volt	-	Load, Short Ci	rcuit, Fan Failu		ult.
Overload Capability	Bat	t. Low, DC H	ligh, Inverter Unc ≤ 125% fo	der/Over Volt or 10 min, >1	age, UPS Over	Load, Short Ci min, >150% fc	rcuit, Fan Failu or 200 ms		ult.
Overload Capability Transfer Time	Bat	t. Low, DC H	ligh, Inverter Unc ≤ 125% fo	der/Over Volt or 10 min, >1	age, UPS Over 25-150% for 1	Load, Short Ci min, >150% fc	rcuit, Fan Failu or 200 ms		ult.
Overload Capability Transfer Time ENVIRONMENTAL	Bat	t. Low, DC H	igh, Inverter Und ≤ 125% fo AC to	der/Over Volt or 10 min, >1 Battery : 0ms	age, UPS Over 25-150% for 1	Load, Short Ci min, >150% fo pass : 4ms (Ty	rcuit, Fan Failu or 200 ms pical)		ult.
Overload Capability Transfer Time ENVIRONMENTAL Temperature	Bat	t. Low, DC H	igh, Inverter Und ≤ 125% fo AC to	der/Over Volt or 10 min, >1: Battery : 0ms Operating: 0~	age, UPS Over 25-150% for 1 , Inverter to By	Load, Short Ci min, >150% fo pass : 4ms (Ty -10°C ~ 55°C	rcuit, Fan Failu or 200 ms pical)		ult.
Overload Capability Transfer Time ENVIRONMENTAL Temperature Humidity / Altitude	Bat	t. Low, DC H	igh, Inverter Und ≤ 125% fo AC to	der/Over Volt or 10 min, >12 Battery : 0ms Operating: 0~ 0~95% RH I	age, UPS Over 25-150% for 1 , Inverter to By 40°C, Storage:	Load, Short Ci min, >150% for pass : 4ms (Ty -10°C ~ 55°C g / <1500 M	rcuit, Fan Failu or 200 ms pical)		ult.
Overload Capability Transfer Time ENVIRONMENTAL Temperature Humidity / Altitude Noise	Bat	t. Low, DC H	igh, Inverter Und ≤ 125% fo AC to	der/Over Volt or 10 min, >12 Battery : 0ms Operating: 0~ 0~95% RH I	age, UPS Over 25-150% for 1 , Inverter to By 40°C, Storage: Non-condersing	Load, Short Ci min, >150% for pass : 4ms (Ty -10°C ~ 55°C g / <1500 M	rcuit, Fan Failu or 200 ms pical)		ult.
Overload Capability Transfer Time  ENVIRONMENTAL Temperature Humidity / Altitude Noise PHYSICAL	12x22.5x21	t. Low, DC H	ligh, Inverter Und ≤ 125% fo AC to	der/Over Volt or 10 min, >12 Battery : 0ms Operating: 0~ 0~95% RH I	age, UPS Over 25-150% for 1 , Inverter to By 40°C, Storage: Non-condersing	Load, Short Ci min, >150% for pass : 4ms (Ty -10°C ~ 55°C g / <1500 M	rcuit, Fan Failu or 200 ms pical)		
Alarms / Protection  Overload Capability  Transfer Time  ENVIRONMENTAL  Temperature  Humidity / Altitude  Noise  PHYSICAL  Dimension WxDxH (mm)  Weight (Kg)		t. Low, DC H	ligh, Inverter Und ≤ 125% fo AC to	der/Over Volt or 10 min, >1: Battery : 0ms Operating: 0~ 0~95% RH I Low	age, UPS Over 25-150% for 1 , Inverter to By 40°C, Storage: Non-condersing	Load, Short Ci min, >150% for pass : 4ms (Ty -10°C ~ 55°C g / <1500 M	rcuit, Fan Failu or 200 ms pical)	re and UPS Fau	
Overload Capability Transfer Time  ENVIRONMENTAL Temperature Humidity / Altitude Noise PHYSICAL Dimension WxDxH (mm) Weight (Kg)	12x22.5x21		ligh, Inverter Und ≤ 125% fo  AC to	der/Over Volt or 10 min, >1: Battery : 0ms Operating: 0~ 0~95% RH I Low	age, UPS Over 25-150% for 1 , Inverter to By 40°C, Storage: Non-condersing Audible Noise	Load, Short Ci min, >150% for pass : 4ms (Ty -10°C ~ 55°C g / <1500 M Level	rcuit, Fan Failui or 200 ms pical)	12.5x22.5x25	5
Overload Capability Transfer Time  ENVIRONMENTAL Temperature Humidity / Altitude Noise PHYSICAL Dimension WxDxH (mm) Weight (Kg)  STANDARDS	12x22.5x21		ligh, Inverter Und ≤ 125% fo  AC to	der/Over Volt or 10 min, >1: Battery : 0ms Operating: 0~ 0~95% RH I Low 422.5x21 40kg	age, UPS Over 25-150% for 1 , Inverter to By 40°C, Storage: Non-condersing Audible Noise	Load, Short Ci min, >150% for pass : 4ms (Ty -10°C ~ 55°C g / <1500 M Level	rcuit, Fan Failui or 200 ms pical)	12.5x22.5x25	5
Overload Capability Transfer Time  ENVIRONMENTAL Temperature Humidity / Altitude Noise PHYSICAL Dimension WxDxH (mm) Weight (Kg) STANDARDS Quality	12x22.5x21		ligh, Inverter Und ≤ 125% fo  AC to	der/Over Volt or 10 min, >1: Battery : 0ms Operating: 0~ 0~95% RH I Low 422.5x21 40kg ISO 900	age, UPS Over 25-150% for 1 , Inverter to By 40°C, Storage: Non-condersing Audible Noise	Load, Short Ci min, >150% fc pass : 4ms (Ty -10°C ~ 55°C g / <1500 M Level  50kg	rcuit, Fan Failui or 200 ms pical)	12.5x22.5x25	5
Overload Capability Transfer Time  ENVIRONMENTAL Temperature Humidity / Altitude Noise PHYSICAL Dimension WxDxH (mm) Weight (Kg) STANDARDS Quality Safety	12x22.5x21		igh, Inverter Und ≤ 125% for AC to  12x  38kg	der/Over Volt or 10 min, >1: Battery : 0ms Operating: 0~ 0~95% RH I Low 422.5x21 40kg ISO 900	age, UPS Over 25-150% for 1 , Inverter to By 40°C, Storage: Non-condersing Audible Noise 45kg	Load, Short Ci min, >150% for pass: 4ms (Ty -10°C ~ 55°C g / <1500 M Level 50kg	or 200 ms pical)  60kg	12.5x22.5x25	5
Overload Capability Transfer Time  ENVIRONMENTAL Temperature Humidity / Altitude Noise PHYSICAL Dimension WxDxH (mm) Weight (Kg) STANDARDS Quality Safety EMC / Performance	12x22.5x21 5Kg		igh, Inverter Und ≤ 125% for AC to  12x  38kg	der/Over Volt or 10 min, >1: Battery : 0ms Operating: 0~ 0~95% RH I Low 422.5x21 40kg ISO 900	age, UPS Over 25-150% for 1 Inverter to By 40°C, Storage: Non-condersing Audible Noise 45kg  0, ISO 14001, C	Load, Short Ci min, >150% for pass: 4ms (Ty -10°C ~ 55°C g / <1500 M Level 50kg	or 200 ms pical)  60kg	12.5x22.5x25	5
Overload Capability Transfer Time  ENVIRONMENTAL Temperature Humidity / Altitude Noise PHYSICAL Dimension WxDxH (mm)	12x22.5x21 5Kg		igh, Inverter Und ≤ 125% for AC to  12x  38kg	der/Over Volt or 10 min, >1: Battery : 0ms Operating: 0~ 0~95% RH I Low 422.5x21 40kg ISO 900	age, UPS Over 25-150% for 1 Inverter to By 40°C, Storage: Non-condersing Audible Noise 45kg  0, ISO 14001, C	Load, Short Ci min, >150% for pass: 4ms (Ty -10°C ~ 55°C g / <1500 M Level 50kg	or 200 ms pical)  60kg	12.5x22.5x25	5

<sup>\*</sup>Specifications are subject to change without prior notice.











