

Description	Catalog Number	Power rating	Configuration
Eaton 5PX 2200i RT3U G2	5PX2200IRT3UG2	2200W/2200VA	Rack / Tower
Eaton 5PX 3000i RT2U G2	5PX3000IRT2UG2	3000W/3000VA	Rack / Tower
Eaton 5PX 3000i RT3U G2	5PX3000IRT3UG2	3000W/3000VA	Rack / Tower

## 10.2 Extended Battery Module model list

Model	Catalog Number	Configuration	Battery voltage	Use with
Eaton 5PX EBM 48V RT2U G2	5PXEBM48RT2UG2	Rack / Tower	48Vdc	5PX1000IRT2UG2, 5PX1500IRT2UG2
Eaton 5PX EBM 72V RT2U G2	5PXEBM72RT2UG2	Rack / Tower	72Vdc	5PX2200IRT2UG2, 5PX3000IRT2UG2
Eaton 5PX EBM 72V RT3U G2	5PXEBM72RT3UG2	Rack / Tower	72Vdc	5PX2200IRT3UG2, 5PX3000IRT3UG2

## 10.3 Weights and dimensions

Description (UPS)	Weights (lb / kg)	Dimensions (inch / mm) D x W x H
5PX1000IRT2UG2	43.2 / 19,6	17.6x17.2x3.4 / 448x438x85,5
5PX1500IRT2UG2	49.4 / 22,4	17.6x17.2x3.4 / 448x438x85,5
5PX2200IRT2UG2	62.2 / 28,2	23.7x17.2x3.4 / 603x438x85,5
5PX2200IRT3UG2	60.6 / 27,5	19x17.2x5.1 / 483x438x129
5PX3000IRT2UG2	69.9 / 31,7	23.7x17.2x3.4 / 603x438x85,5
5PX3000IRT3UG2	68.6 / 31,1	19x17.2x5.1 / 483x438x129
Description (EBM)	Weights (lb / kg)	Dimensions (inch / mm) D x W x H
5PXEBM48RT2UG2	61.3 / 27,8	17.6x17.2x3.4 / 448x438x85,5
5PXEBM72RT2UG2	89.1 / 40,4	23.7x17.2x3.4 / 603x438x85,5
5PXEBM72RT3UG2	87.5 / 39,7	19x17.2x5.1 / 483x438x129

## 10.4 Electrical input

<b>Default frequency</b>	50Hz
<b>Nominal frequency</b>	50/60Hz
<b>Frequency range</b>	47-70Hz

Catalog Number	Default input (Voltage/Current)	Input nominal voltages	Input voltage window
5PX1000IRT2UG2	230V/10A	200-240V	160-294V adjustable to 150~294
5PX1500IRT2UG2	230V/10A		
5PX2200IRT2UG2	230V/16A		
5PX2200IRT3UG2	230V/16A		
5PX3000IRT2UG2	230V/16A		
5PX3000IRT3UG2	230V/16A		

## 10.5 Electrical input connections

Catalog Number	Input connection	Input cable
5PX1000IRT2UG2	IEC C14-10A	Not provided
5PX1500IRT2UG2		
5PX2200IRT2UG2	IEC C20-16A	Schuko 16A to IEC320/16A
5PX2200IRT3UG2		
5PX3000IRT2UG2		
5PX3000IRT3UG2		

## 10.6 Electrical output

All models	Normal mode	Battery mode
Voltage regulation	Boost : $V_{in} \times 1.15$ Buck : $V_{in} \times 0.87$	(-10% ,6%)
Efficiency	>96%	1000-2200 > 82% 3000 > 85%
Frequency regulation		+/-0.1 Hz
Nominal output	200/208/220/230/240V	
Frequency	Follows input frequency	50/60Hz
Output overload	[105%,120%] 30min [120%,150%]5min >150% 10S	[105% ~110%] 10s [110%~150%]1s, >150% 0.15s

All models	Normal mode	Battery mode	
Short circuit current limitation in battery mode		Model	Current limitation
		1000	31A
		1500	38A
		2200	38A
		3000	64A
Transfer time	Utility Outage: 1-4ms for normal mode, >5ms for sensitive mode Utility abnormal: <10ms for normal mode, <25ms for sensitive mode		

## Electrical output connection

Catalog Number	Output connection	Output cable
5PX1000IRT2UG2	(4) IEC10A Primary group (2) IEC10A Group 1 (2) IEC10A Group 2	(2) IEC10A
5PX1500IRT2UG2		
5PX2200IRT2UG2	(4) IEC10A + (1) IEC16A Primary group (2) IEC10A + (1) IEC16A Group 1 (2) IEC10A Group 2	
5PX2200IRT3UG2		
5PX3000IRT2UG2		
5PX3000IRT3UG2		

## Battery

	Internal batteries	EBM
Specifications	1000VA: 48Vdc - 4 x 12V, 7Ah (9Ah max) 1500VA: 48Vdc - 4 x 12V, 9Ah 2200VA: 72Vdc - 6 x 12V, 7Ah (9Ah max) 3000VA: 72Vdc - 6 x 12V, 9Ah	5PXEBM48RT2UG2: 48Vdc - 2 x 4 x 12V, 2 x 9Ah 5PXEBM72RT2UG2: 72Vdc - 2 x 6 x 12V, 2 x 9Ah 5PXEBM72RT3UG2: 72Vdc - 2 x 6 x 12V, 2 x 9Ah
Type	Sealed, maintenance-free, valve-regulated, lead-acid, with minimum 3-5 year float service life at 25°C (77°F).	
Monitoring	Advanced monitoring for earlier failure detection and warning	
EBM battery cable length	2U EBM cable length : 350mm/13.78in 3U EBM cable length : 530mm/20.87in	

## Environmental and safety

<b>Standards</b>	IEC/EN 62040-1:2008+A1:2013 EN IEC 62040-2: 2018 IEC 62040-2: 2016 FCC CFR Title 47, Part 15, Subpart B IEC/EN 62040-3 IEC 62040-1:2017 UL1778 5th edition CSA 22.2
<b>EMC (Emissions)</b>	EN IEC 62040-2: 2018 C1 EN 62040-2: 2006 C1 IEC 62040-2: 2016 C1 EN 55011:Class B CISPR11 Class B CISPR32 Class B FCC part 15 Class B
<b>EMC (Immunity)</b>	IEC 61000-4-2, (ESD): 8 kV Contact Discharge / 15 kV Air Discharge IEC 61000-4-3, (Radiated field): 10 V/m IEC 61000-4-4, (EFT): 4 kV IEC 61000-4-5, (Surges): 2 kV Differential Mode / 4 kV Common Mode IEC 61000-4-6, (Electromagnetic field): 10 V IEC 61000-4-8, (Conducted magnetic field): 30 A/m
<b>Agency markings</b>	CE, cTUVus, EAC, Cm, Ukr, UKCA, KC (only on 5PX1500IRT2UG2, 5PX2200IRT2UG2, 5PX3000IRT2UG2, 5PX3000IRT3UG2)
<b>Operating temperature</b>	0 to 40 °C (32 to 104 °F)
<b>Storage temperature</b>	-15 to 50°C (5 to 122 °F)
<b>Relative humidity</b>	20 to 90 % (without condensation)
<b>Operating altitude</b>	Up to 3,000 meters (9,843 ft) above sea level, no derating for 40°C (104°F) room temperature
<b>Transit altitude</b>	Up to 10,000 meters (32,808 ft) above sea level
<b>Audible noise</b>	Line mode:<40dB Buck/boost mode:<45 dB Batt. Mode: <45dB, 50dB for 3K

## Glossary

AVR	The <b>A</b> utomatic <b>V</b> oltage <b>R</b> egulation maintains a constant voltage level for electrical equipment loads when the voltage falls outside the voltage tolerance range.
Backup time	Time during which the load can be supplied by the UPS operating on battery power.
EBM	Extended Battery Module