Eaton 93T UPS

15 - 80 kVA

3:3

Key applications

Mission critical applications:

- Commercial and institutional
- Finance
- Healthcare
- Government
- Industrial

IT applications:

- Server rooms
- Small data centers

Lowest total cost of ownership (TCO)

- Highest efficiency in its power range with above 96% efficiency in online mode and up to 99% efficiency in Energy Saver System mode
- Scalable by paralleling up to 4 units
- 20% smaller footprint
- Unity power factor (1.0), providing more real power than many of its rivals
- Internal battery available up to 80 kVA, resulting in a smaller footprint, lower cost and easier installation

Maximum availability

- Equipped with backfeed and short circuit protection - no need for additional installments to comply with standards
- Advanced Battery Management – Intelligent battery charging to keep your batteries safe and in good condition
- Eaton 93T UPS and Eaton's Intelligent Power Manager® software suite takes the resiliency of the system to the next level by bridging the electrical and IT infrastructure
- Integrates with the Eaton Brightlayer digital solutions, offering world-class performance management

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Technical specifications

	Rated capacity/active power (kVA/kW)	15/15	20/20	30/30	40/40	60/60	80/80
Input	Rated input voltage (Vac)	380 / 400 / 415					
	Input voltage range (Vac)	201 - 478					
	Rated input frequency (Hz)	50 / 60					
	Input frequency range (Hz)	40 - 72					
	Bypass voltage range (Vac)	+/- 15% by default, +/- 20% optional					
	Input power factor	> 0.99					
	Input current THDi (@ rated linear load)	< 3%					
Output	Rated output voltage (M)	380 / 400 / 415					
	Rated output frequency (Hz)	50 / 60					
	Power factor	1					
	Output voltage regulation (steady state)	±1%					
	Output voltage tolerance regulation (dynamic)	± 5% (0 - 100% load variation)					
	Output voltage THDv (@ full linear load)	< 2%					
	Inverter overload capacity	10 minutes, @ 125%					
Efficiency	Double-conversion mode	96%					
	ESS mode	99%					
Parallel	Parallel unit	Up to 4					
Battery configuration	Battery quantity	32-44 blocks					
	Charging method	ABM, or constant float charge					
	Connection	Support common battery (1+1) in parallel configuration					
Dimensions	W*D*H (mm)		380 * 740 * 1328		380 * 740 * 1575	500 * 822 * 1750	
Weight	Net weight incl. internal battery	230	288	313	424	660	768
Communication	Communication interface	2 mini-slots, 3 building alarms inputs, and 1 RS232&1 USB					
	Communication accessories	Network card; Industrial gateway card; EMP temperature and humidity sensor; AS / 400 relay / RS - 232 interface card					
Others	Operating Temperature	0 - 40 °C					
	Humidity	5 - 95%, non-condensing					
	Altitude	< 1000 m, no derating					
	Noise (1 m)	≤ 65 dB					
	Safety	IEC62040-1					
	EMC compatibility	IEC62040-2					
	Performance	IEC62040-3					
Catalog numbers	Product with internal battery	93T15KMBSBI	93T20KMBSBI	93T30KMBSBI	93T40KMBSBI	93T60KMBSBI	93T80KMBSBI
	Product without internal battery	93T15KMBSB	93T20KMBSB	93T30KMBSB	93T40KMBSB	93T60KMBSB	93T80KMBSB
	3ph on-site warranty +1	WPM100C-WEB		WPM100D-WEB		WPM100E-WEB	
	3ph on-site warranty +2	WPM200C-WEB		WPM200D-WEB		WPM200E-WEB	
	3ph connected warranty +1	WCN100C-WEB		WCN100D-WEB		WCN100E-WEB	
	3ph connected warranty +2	WCN200C-WEB		WCN200D-WEB		WCN200E-WEB	

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