



NEW Eaton DX-RT On-line 6-10 kW UPS sales tool

●

2018

Eaton DX-RT 06-10 kW: SALIENT FEATURES.



-Efficiency up to 95% in dual conversion mode
-up to 98% in ESS mode



THDi < 3%
Clean grid



I/p PF > .99



No De-rating through entire load PF range



Maximum power availability
kVA = kW

Rating available(kVA) : 06-10 kW

Eaton DX-RT 06-10 kW: Key Highlights.



- ❑ IGBT Based Rectifier True Online Double Conversion
- ❑ New Graphical LCD Display.
- ❑ Wide Input Voltage window (110 – 275Vac) for Indian Environmental Condition.
- ❑ Double Conversion Efficiency upto 95%.
- ❑ Active Input Power Factor Correction 0.99.
- ❑ Unity Output Power Factor.
- ❑ Inbuilt OVCD (Over Voltage Cut-off device)
- ❑ Generator Compatible with Wide Input voltage window
- ❑ Frequency Range (40 Hz-70 Hz).
- ❑ Digital Charger Technology provide 0-12 A charging current.
- ❑ Adjustable Battery no's 16/17/18/19 and 20.
- ❑ 50/60 Hz Automatic Frequency Converter Mode.
- ❑ Intelligent Monitoring options.

Eaton DX-RT 06-10 kW : VALUE PROPOSITION.

Value proposition

Why it matters

High performance

- True Unity PF 1
- Higher power density (only 2u and <600mm depth for10K)
- Higher efficiency
- Support critical virtualization application

Hit the main IT market trend

- Delivery more power in a limit space and small depth rack
- Save energy cost
- Maximize the IT operation continuity

High Flexibility and Availability

- Battery voltage adjustable
- Charger current adjustable
- More accessories

- Reduce system cost
- Minimize recharge time
- Extend battery lifetime
- Easy to install and maintain

High Reliability and Adaptability

- Wide input range
- Hardware current limit technology
- Upgrade phase-lock algorithm
- Overvoltage Cut-off Device

- Adaptable to harsh utility power condition
- Provide much stronger protection on inrush current
- Improve the UPS adaptability to grid power combined with energy from all kinds of increasing renewable energy source

Eaton DX-RT 06-10 kW: HIGH PERFORMANCE



Full range unity PF

- **Unique** in its class
- Delivers **11%** more power
- Powers **more servers**
- **Higher** reliability for same load

High Efficiency

- Unmatchable **Efficiency 95%**
- Save running **Expense**

Perfect I/O parameters

- **3%** Input THDi
- **1%** output THDV
- **0.995** input PF

Eaton DX-RT 06-10 kW: HIGH RELIABILITY



Enhanced materials

- Double layer FR4 material made power PCBA guarantee high reliability in transportation and operation
- Coating for critical components to defend high humidity and salt

High design margin

- No output power derating from 16~20pcs battery configuration during 0~40°C ambient temperature
- the maximum working temperature can up To 50°C at half load
- Newly added hardware current limit design to provide reliable current protection. and more Load current Crest Ratio
- New digital charger technology reduce charging current ripple and support full-range charging current setting accurately.

Eaton DX-RT 06-10 kW: HIGH AVAILABILITY and ADAPTABILITY



Highly Availability

- High Short CKT Clearance
- Auto Fault Recovery

Easy Maintainability

- Provide Maintenance Bypass Switch and output socket accessory supported
- Support USB and RS232 Flash upgrading

Upgrade firmware design

- Upgrade phase-lock algorithm improve product **adaptability to** grid power combined with energy from all kinds of Renewable energy source

Eaton 9E-IN 06-10 kW: FLEXIBLE BATTERY MANAGEMENT



Adjustable Battery Quantity

- Meet the long backup time requirement with lower system cost
- Easy to replace the old UPS with 16~20 pcs battery configuration and help user to save the battery investment

Adjustable charger current

- Set the most suitable charger current according to different battery capacity will guarantee the battery fully recharged in a reasonable time, which will help to extend battery lifetime

Battery information

- Battery capacity and battery run time information can be easily accessed from LCD or software

Eaton DX-RT 06-10 kW: CONTROL PANEL

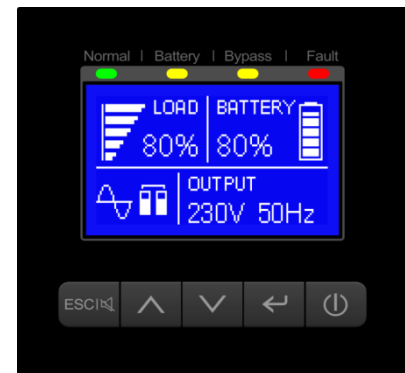


Easy understanding interface

- Support 3 languages
- Easy understanding interface
- Parallel icon show up once parallel connection setup
- Simplified user setting menu

Convenient for service

- Password protected service setting menu
- Up to 100 event log can be read through LCD
- Mute the audible alarm from control panel directly



Eaton DX-RT 06-10 kW: COMMUNICATION INTERFACE



Complete standard offer

- RS232/USB
- EPO
- **Programmable Dry in/Dry out** provide the easy solution for external maintenance bypass switch control setup and UPS status monitoring in industrial process.

Optional communication cards

- NMC card compatible with environment monitoring sensor
- CMC card for industrial application
- **Wi-Fi network card** (coming in 2017 end) **do not need cable connection** and can work with WINPOWER software
- **AS400 card provide easy connections with signal wire**

Eaton 9E-IN 06-10 kW: SOFTWARE SOLUTION

Winpower intelligent monitoring solution provide excellent features to help customer manage UPS, trigger virtual machine migration plans to keep business running during power and environmental events.



- 1 Central manage up to 1000 UPS
- 2 Support virtualization transfer during power outage
- 3 Provide mobile APP & web remote monitoring
- 4 Provide server shutdown protection
- 5 Support SMTP/SSL network encryption
- 6 Support RS232/USB/SNMP communication



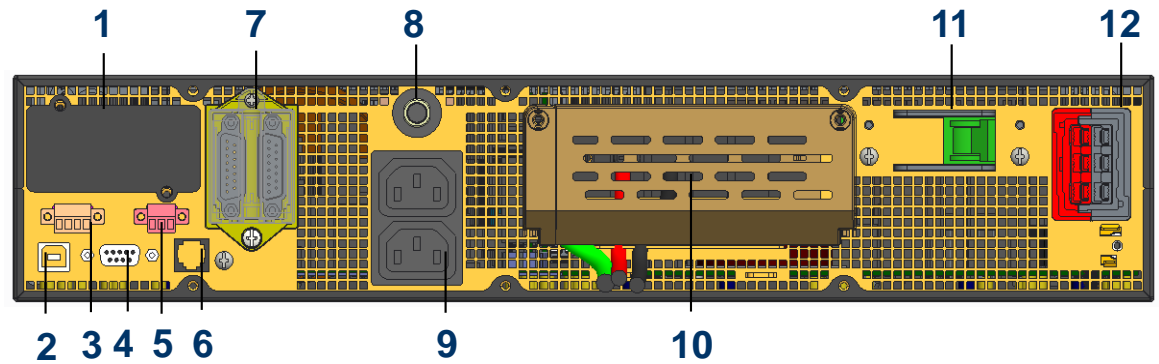
Eaton DX-RT 06-10 kW: SOFTWARE COMPATIBILITY



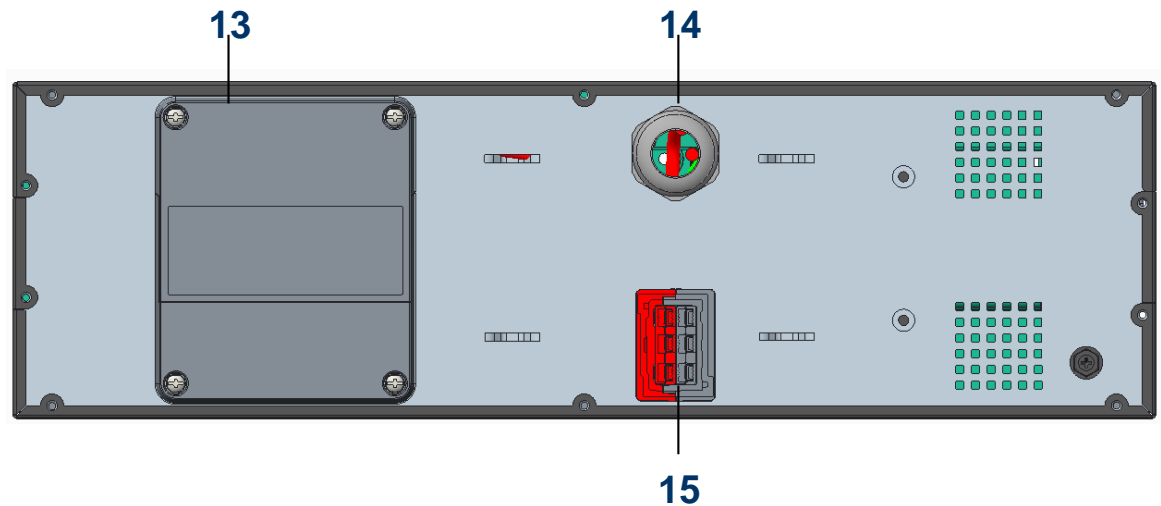
Software Core Feature		Winpower
Basic Function	SMS/Email	•
	Support IPV6	•
	Windows OS	•
	Linux OS	•
	Unix OS	•
	USB Communication	•
	RS232 Communication	•
Mobile Application	SNMP Communication	•
	Mobile Web	•
Virtualization	Mobile APP	•
	Support Software - VMware	•
	Support Software - Citrix	•
	Virtualization Transfer	•

Eaton DX-RT 06-10 kW: REAR PANEL

1. COM SLOT
2. USB
3. DRY IN/DRY OUT
4. RS232
5. EPO
6. RJ11(PDU Detector)
7. PARALLEL (optional)
8. OUTLET BREAKER
9. OUTLET
10. TB for INPUT and OUTPUT
11. INPUT BREAKER(optional)
12. EBM CONNECTOR
13. FUSE
14. EBM CORD
15. EBM CONNECTOR



UPS

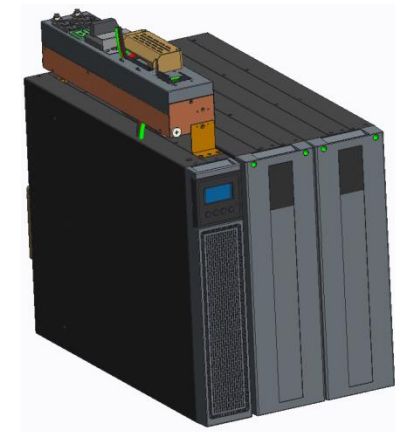
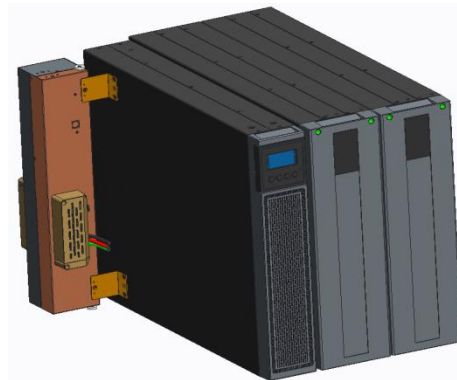
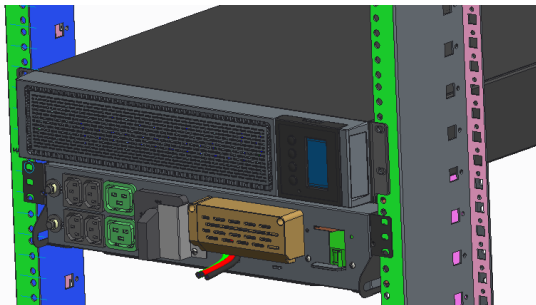
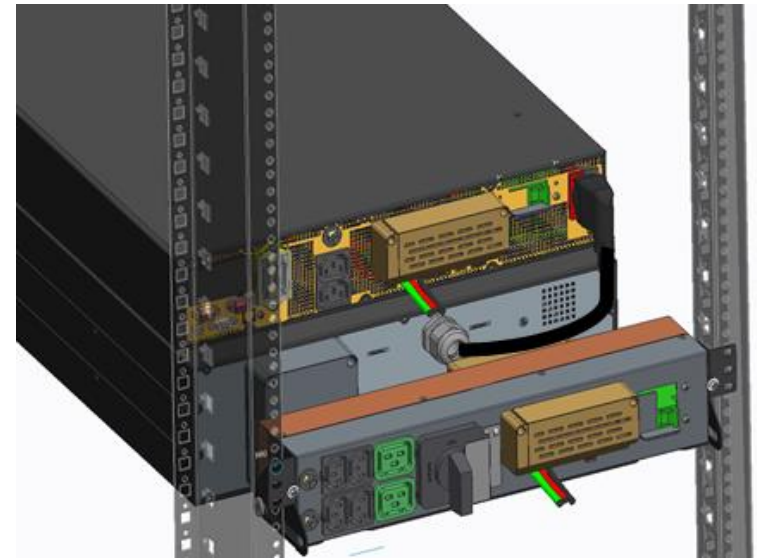


EBM

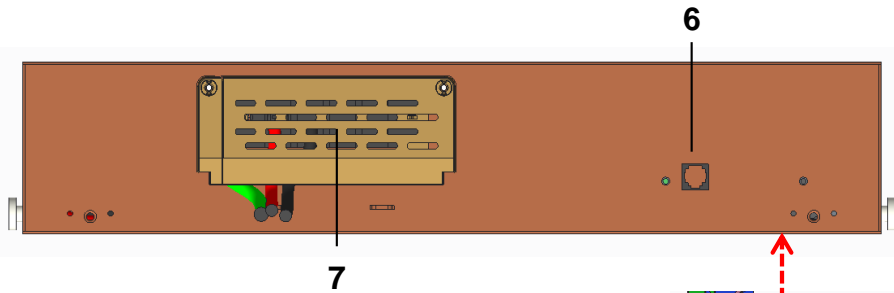
Eaton DX-RT 06-10 kW: ACCESSORY RECOMMENDATION

MBS and PDU 2-in-1 kit

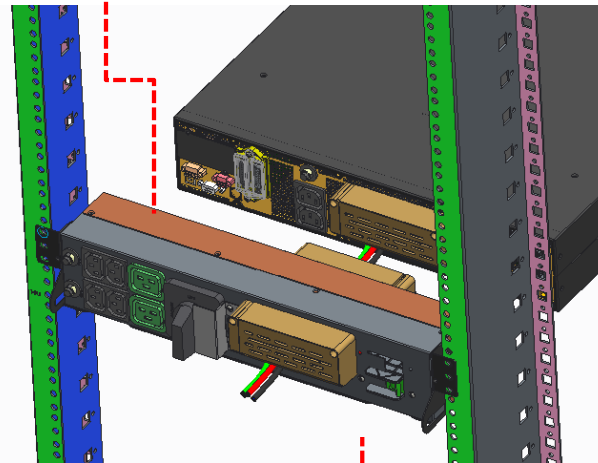
- Do NOT occupy U space in rack installation
- Compatible with both standard model and long backup time model
- Easy for UPS maintenance in rack or in tower installation
- Can be installed in the front of rack for some specific application need
- Retention clips fix the equipment power cord firmly



Eaton DX-RT 06-10 kW: ACCESSORY RECOMMENDATION

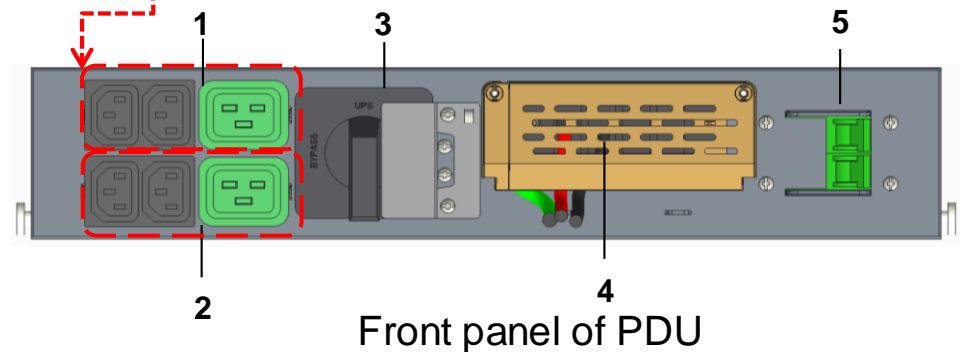


Rear panel of PDU



PDU is installed on the rack frame, and UPS can be removed for maintenance and install back easily.

1. Programmable outlet group
2. Standard outlet group
2. Maintenance bypass switch
3. TB for Input and output
4. INPUT SWITCH
5. RJ11(PDU Detector)
6. TB connect to UPS



Front panel of PDU

Eaton DX-RT 06-10 kW: OPTIONAL PART LIST



Optional part	Part number	EATON DX-RT 06-10 kW	EATON DX-RT EBM
NMC card (SNMP card)	730-80349-00P	√	
CMC card	730-80100-00P	√	
AS400 card	TBD	√	
Environment sensor to work with NMC card	744-A2460-00P	√	
Rail kit for RT 2U UPS	730-80060-00P	√	
Rail kit for RT 3U EBM	730-B0172-00P		√
MBS for Tower (factory optional only)	TBD		
MBS&PDU 2-in-1 kit for RT UPS	TBD	√	
Parallel kit	TBD	√	
Input breaker for RT UPS (factory optional only)	TBD	√	
WiFi network card	TBD	√	

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