



GRIDBEATS™ APM EDGE

GridBeats™ APM EDGE is designed to provide expert analytics & data analysis tools to effectively evaluate the conditions of power transformers and circuit breakers. Leveraging online data from GE Vernova's Monitoring and Diagnostic devices to identify asset faults and potential failures in advance. Built on the same core platform as GridBeats™ APM ENTERPRISE, it provides the same intuitive web browser interface, responsive navigation performance and focused asset insights. The core has been optimized for EDGE deployment ensuring it can support specific EDGE architecture requirements.

GridBeats™ APM EDGE FEATURES



GridBeats™ APM EDGE Health

The Health module allows Customers to evaluate power transformer performance and health using the automatically computed key performance indicators: Health Index, Maintenance Index, Criticality Index, Probability of Failure, Estimated Residual Life, Risk Index.



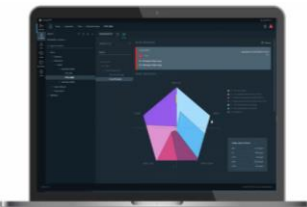
GridBeats™ APM EDGE Monitoring

The Monitoring module allows direct connection and download of data from GE Vernova Monitoring & Diagnostics monitors. The data can then be viewed, trended and compared. Data from offline sources can also be combined for evaluation using the offline data loading tool kit can



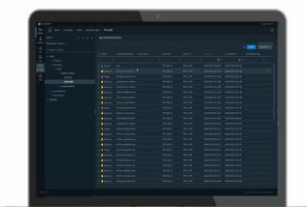
GridBeats™ APM EDGE Alerts

The Alerts module provides visual notifications of critical events captured. GridBeats™ APM EDGE contains a library of predefined alerts based on the data analysis, along with alerts generated by the monitor alarms and even custom alert rules.



GridBeats™ APM EDGE Diagnostics (for transformers only)

The Diagnostics module offers a library of expert tools used to identify and diagnose potential fault and failure conditions with power transformers. Including but not limited to; Duvals, Key Gas, Gas Ratio, IEEE C57.104, IEC 60599, Rogers Ratio, Doernenburg Ratio.



GridBeats™ APM EDGE Recommendations

The Recommendations module provides automatically generated recommended actions based on alerts resulting from changes to the health & maintenance indexes. The information provided in the actions have been developed by subject matter experts.

GridBeats™ APM EDGE SPEC SHEET

Asset Type	Power Transformers	
Asset Count	Up to 500 assets.	
Supported Languages	English	
No. of Users	Up to 50 named user accounts and max of 10 concurrent users.	
License Type	Perpetual	
Data Source ²	Data from GE Vernova Monitors:	MS3000, DGA900, DGA900+, DGA500, BMT430, Transfix 1.6, Minitrans, and Hydran M2/M2X
Hosting Infrastructure	GridBeats™ APM EDGE can be hosted on premise (Customer provided infrastructure) or in Customer cloud	The minim specifications required for on-premise infrastrcuture provided by the Customer are: • <i>Windows Server 2016</i> • <i>vCPU:12 RAM:32GB Storage:400 GB</i>

GridBeats™ APM EDGE OPTIONS

No.	Description	Unit Price (USD)
1.	GridBeats™ APM EDGE – 5 Assets Starter Pack ³	\$25,000
2.	GridBeats™ APM EDGE – 15 Assets Starter Pack ³	\$50,000
3.	GridBeats™ APM EDGE – 50 Assets Starter Pack ³	\$75,000
4.	GridBeats™ APM EDGE – 100 Assets Starter Pack ³	\$120,000
5.	GridBeats™ APM EDGE – 200 Assets Starter Pack ³	\$200,000
6.	GridBeats™ APM EDGE – 500 Assets Starter Pack ³	\$270,000
7.	GridBeats™ APM EDGE Add-on #1 Training ⁴	\$15,000
8.	GridBeats™ APM EDGE Add-on #2 Oil Lab Offline Data Loading Toolkit	\$15,000
9.	GridBeats™ APM EDGE Add-on #3 Local Language for Software Only ⁶	\$15,000
10.	GridBeats™ APM EDGE Add-on#5 Expert Daily Rate	\$3,500
11.	GridBeats™ APM EDGE Add-on#6 Annual Software Support	20% of Tier Price per year of support capped to 5 years



Important to Note:

GE Vernova Terms & Conditions applies.

Customer can choose from six starter packs (up to 5 assets, 15 assets, 50 assets, 100 assets, 200 assets, and 500 assets).

Software installation, configuration, and user creation for GridBeats™ APM EDGE on premise or in Customer cloud is performed by the Customer. In cases where the solution is hosted on GE Vernova cloud, GE Vernova team will perform the installation however configuration and user creation is always the responsibility of the Customer.

GridBeats™ APM EDGE is a standalone application. If Customer wishes to enable interfaces with other Customer existing applications, a different GridBeats™ APM offering applies. Please reach out to your local sales representative for an offer in these scenarios.

Customers who wishes to increase asset count after purchasing a starter pack based on a lower asset count, can choose to do so by requesting an asset increase upgrade quotation from their local sales representative or my emailing gridsolutions.apm@gevernova.com.

The purchase of asset increase upgrade bundle during an active support period does not extend the support period for existing and/or new assets covered.

GridBeats™ APM EDGE Add on#2 (Oil Lab Offline Data Loading Toolkit) is a license add on that will unlock capabilities related to manually uploading offline data from oil analysis into GridBeats™ APM EDGE. This add on does not support however any offline data uploading for circuit breakers.

All standard product documentation is provided in digital format and English Language only.

If you are interested in GridBeats™ APM EDGE, please reach out to your local sales representative or email gridsolutions.apm@gevernova.com.

- (1) Device configuration is only available for MS3000, DGA900, DGA900+, and BMT430.
- (2) Customer can load manually Transformer Oil Analysis data from oil lab into EDGE by purchasing the Offline Data Loading Toolkit. Manual data loading for circuit breakers is not supported by GridBeats™ APM EDGE.
- (3) Includes one year of software support for bug fixes only.
- (4) Eight hours of training performed virtually via Microsoft Team and is delivered in English Language.
- (6) Applies to software UI only; does not include translation of any product documentation.
- (7) Does not cover application support.
- (8) Customers who wishes to avail longer support periods can purchase software support add on to extend support beyond the first-year bug support coverage. This add-on provides Customers with bug fixes and access to latest software version. During this extended support period, Customers must upgrade the GridBeats™ APM EDGE software to the latest version to continue to receive bug fixes. The total number of years for support is capped at 5 years (including first-year default support covered by the bundle license price).