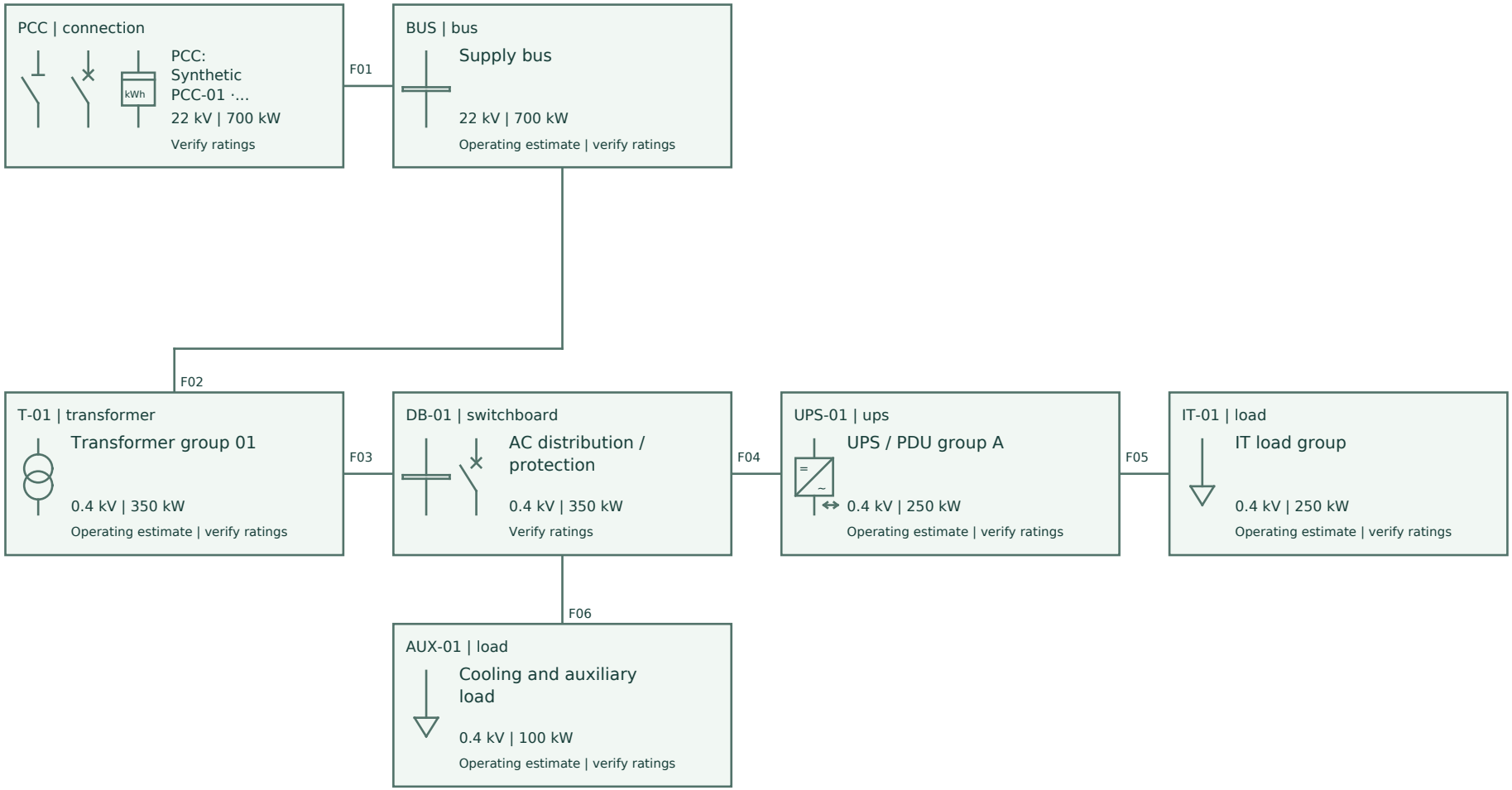
# Data center | Concept single-line diagram

Package 804149868976c55b | Group 1/2 | common bus repeated on each sheet



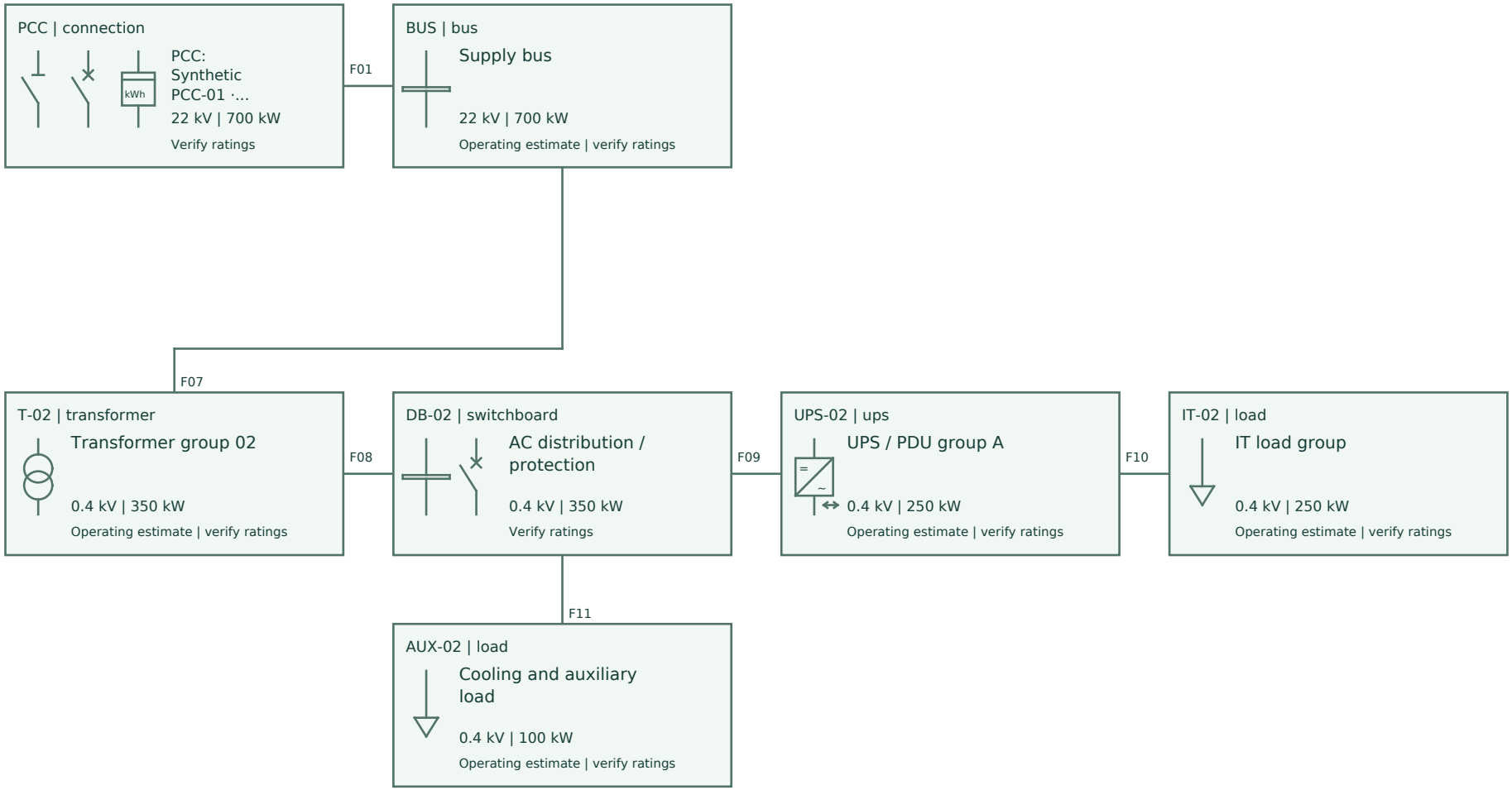

Flows: generation toward PCC; loads away from PCC; BESS bidirectional. Fxx IDs refer to the feeder schedule.

Symbols after IEC 60617 (legend sheet). Crossings are not junctions. Transformer primary = incoming feeder voltage.

CONCEPT ONLY | Equipment ratings, protection, earthing and cables require engineer verification.

# Data center | Concept single-line diagram

Package 804149868976c55b | Group 2/2 | common bus repeated on each sheet




Flows: generation toward PCC; loads away from PCC; BESS bidirectional. Fxx IDs refer to the feeder schedule.

Symbols after IEC 60617 (legend sheet). Crossings are not junctions. Transformer primary = incoming feeder voltage.

CONCEPT ONLY | Equipment ratings, protection, earthing and cables require engineer verification.

# Data center | Concept single-line diagram

Package 804149868976c55b | symbol legend



### PV array / DC field

photovoltaic generator (after IEC 60617)




### Inverter (DC/AC)

converter, DC to AC (after IEC 60617)




### Bidirectional PCS

converter, DC/AC bidirectional (after IEC 60617)




### Frequency converter (VFD)

converter, AC/AC (after IEC 60617)



### Transformer

two-winding transformer (after IEC 60617)



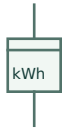
### Circuit breaker

circuit breaker (after IEC 60617)



### Disconnector

disconnector / isolator (after IEC 60617)




### Energy meter

integrating instrument, watt-hour meter (after IEC 60617)



### Busbar

busbar (after IEC 60617)



### Earthing

earth (after IEC 60617)




### Battery

battery of cells (after IEC 60617)




### Generator

generator, AC (after IEC 60617)




### Motor

motor, AC (after IEC 60617)



### Load / consumer

load (general)

Symbols drawn after IEC 60617. This remains a CONCEPT single-line diagram: symbol shapes do not certify the drawing, ratings or protection.

Protection devices shown are functional placeholders; selection, settings and selectivity are engineering scope.