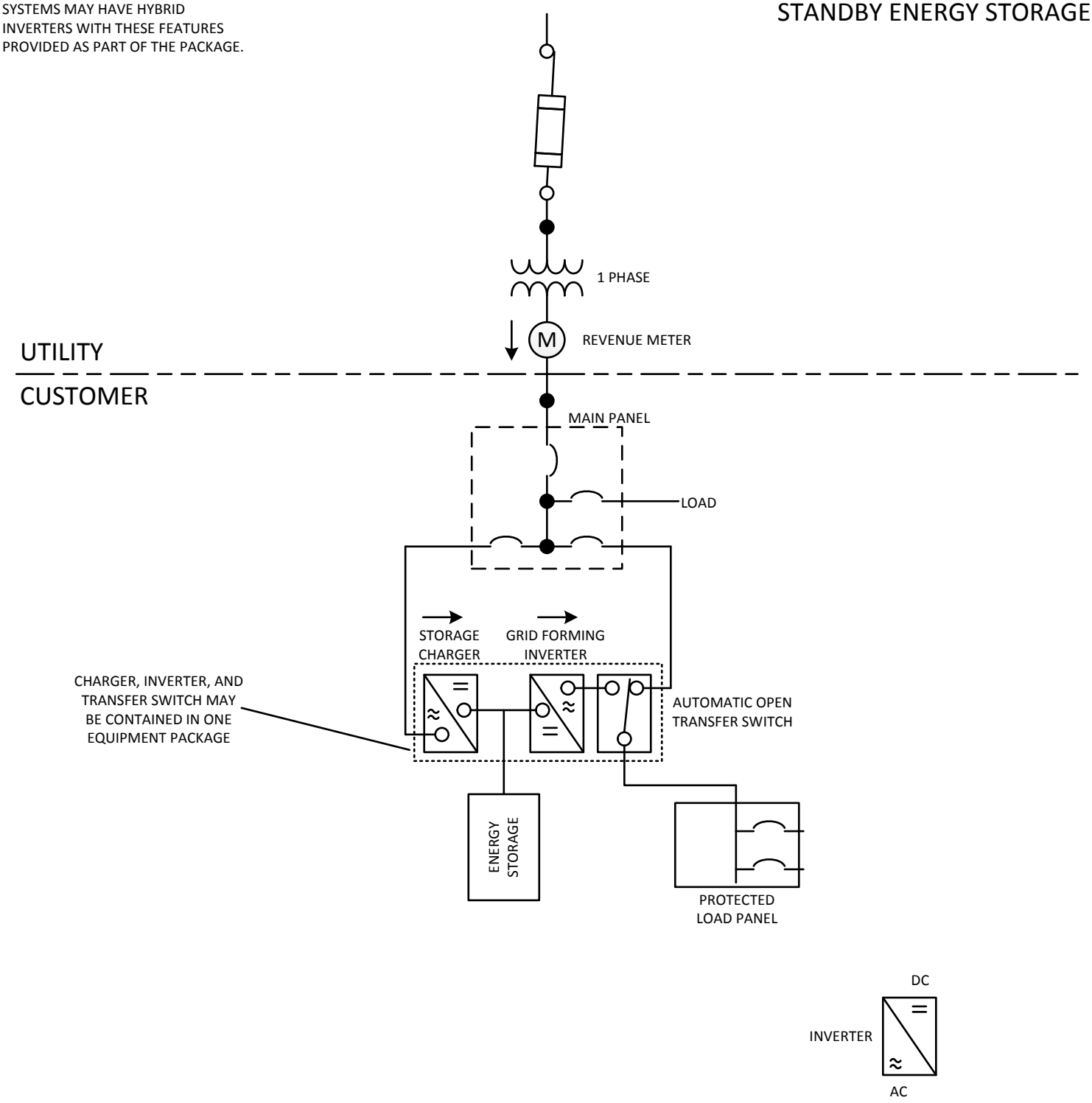
FIGURE ILLUSTRATES REPRESENTATIVE CONCEPTS AND INTENT. PACKAGED SYSTEMS MAY HAVE HYBRID INVERTERS WITH THESE FEATURES PROVIDED AS PART OF THE PACKAGE.

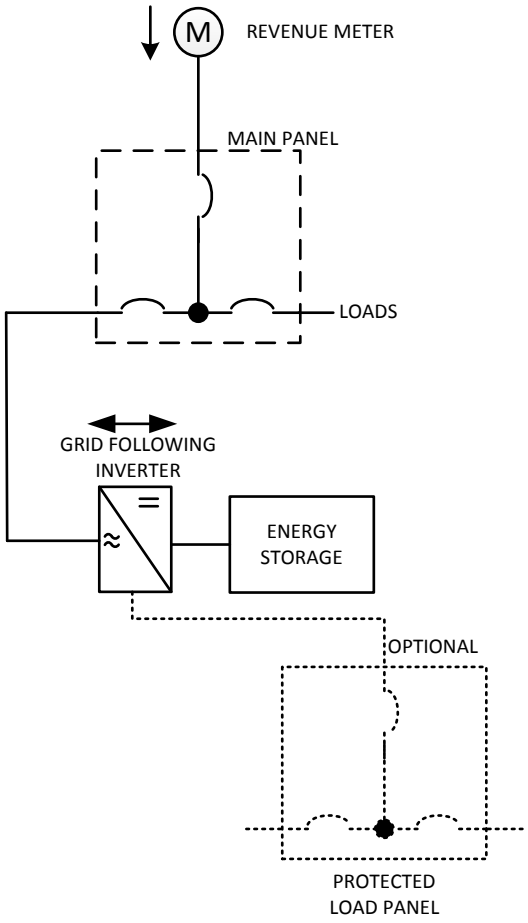
CONFIGURATION #1A
STANDBY ENERGY STORAGE



12/05/2018

FIGURE ILLUSTRATES REPRESENTATIVE CONCEPTS AND INTENT. PACKAGED SYSTEMS MAY HAVE HYBRID INVERTERS WITH THESE FEATURES PROVIDED AS PART OF THE PACKAGE.

CONFIGURATION #1B
PARALLEL ENERGY STORAGE
-STORAGE NOT ALLOWED TO EXPORT TO GRID



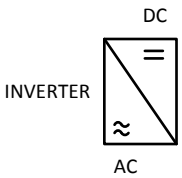


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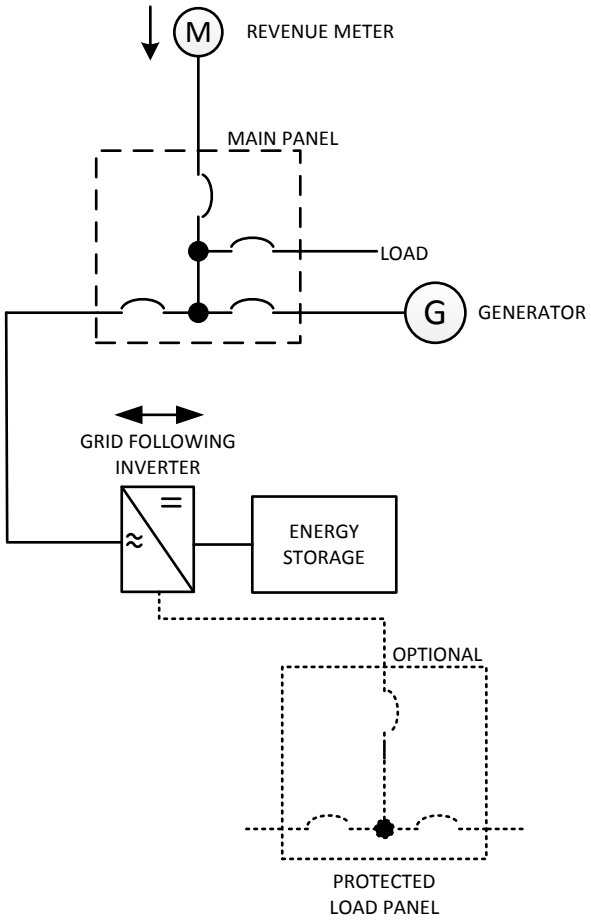
FIGURE ILLUSTRATES REPRESENTATIVE CONCEPTS AND INTENT. PACKAGED SYSTEMS MAY HAVE HYBRID INVERTERS WITH THESE FEATURES PROVIDED AS PART OF THE PACKAGE.

CONFIGURATION #1C
PARALLEL ENERGY STORAGE + GENERATION
-GENERATION AND ENERGY STORAGE NOT ALLOWED TO EXPORT TO GRID



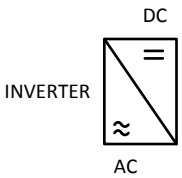


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FIGURE ILLUSTRATES REPRESENTATIVE CONCEPTS AND INTENT. PACKAGED SYSTEMS MAY HAVE HYBRID INVERTERS WITH THESE FEATURES PROVIDED AS PART OF THE PACKAGE.

CONFIGURATION #2A
AC COUPLED
-STANDBY ENERGY STORAGE

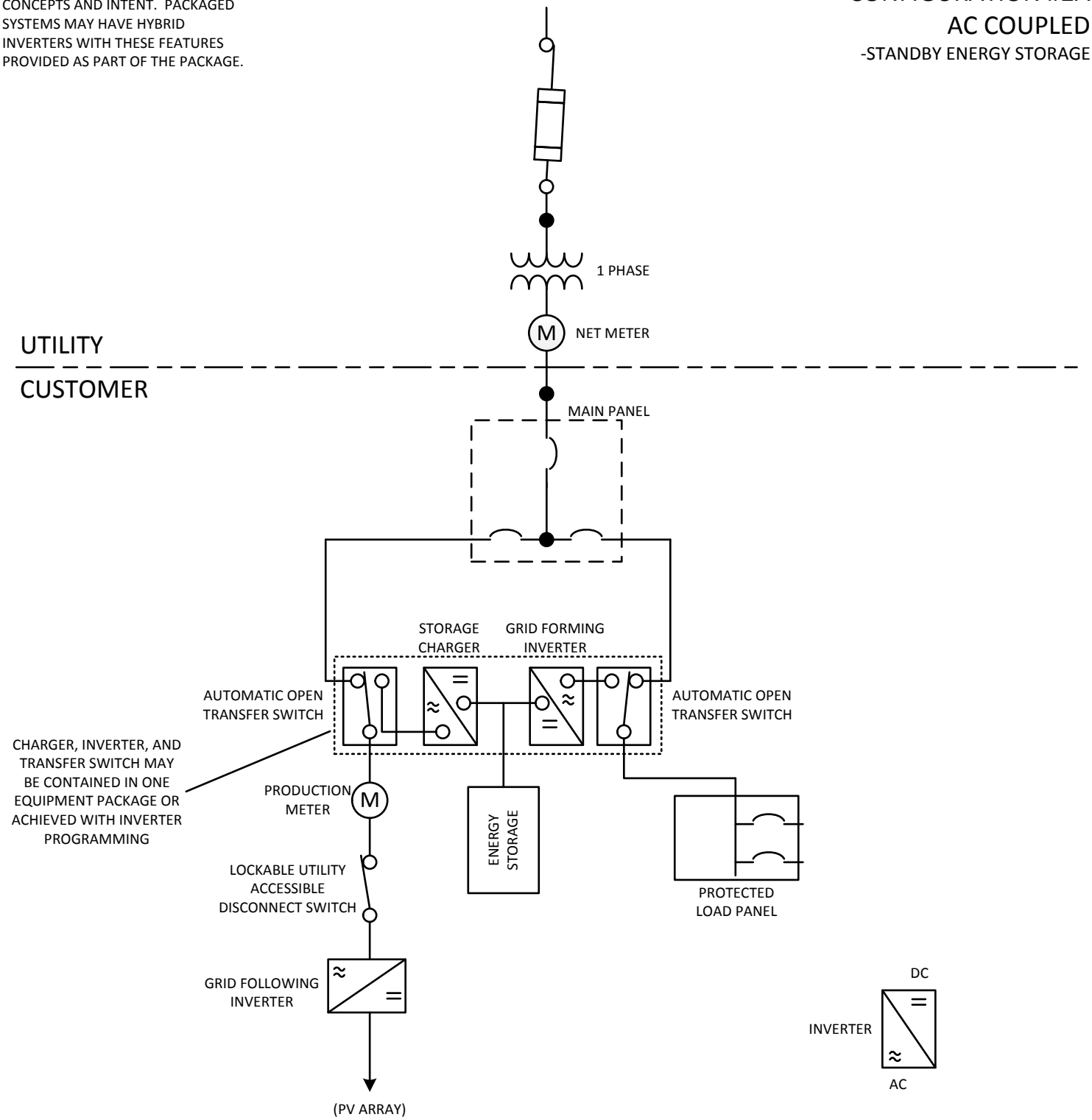

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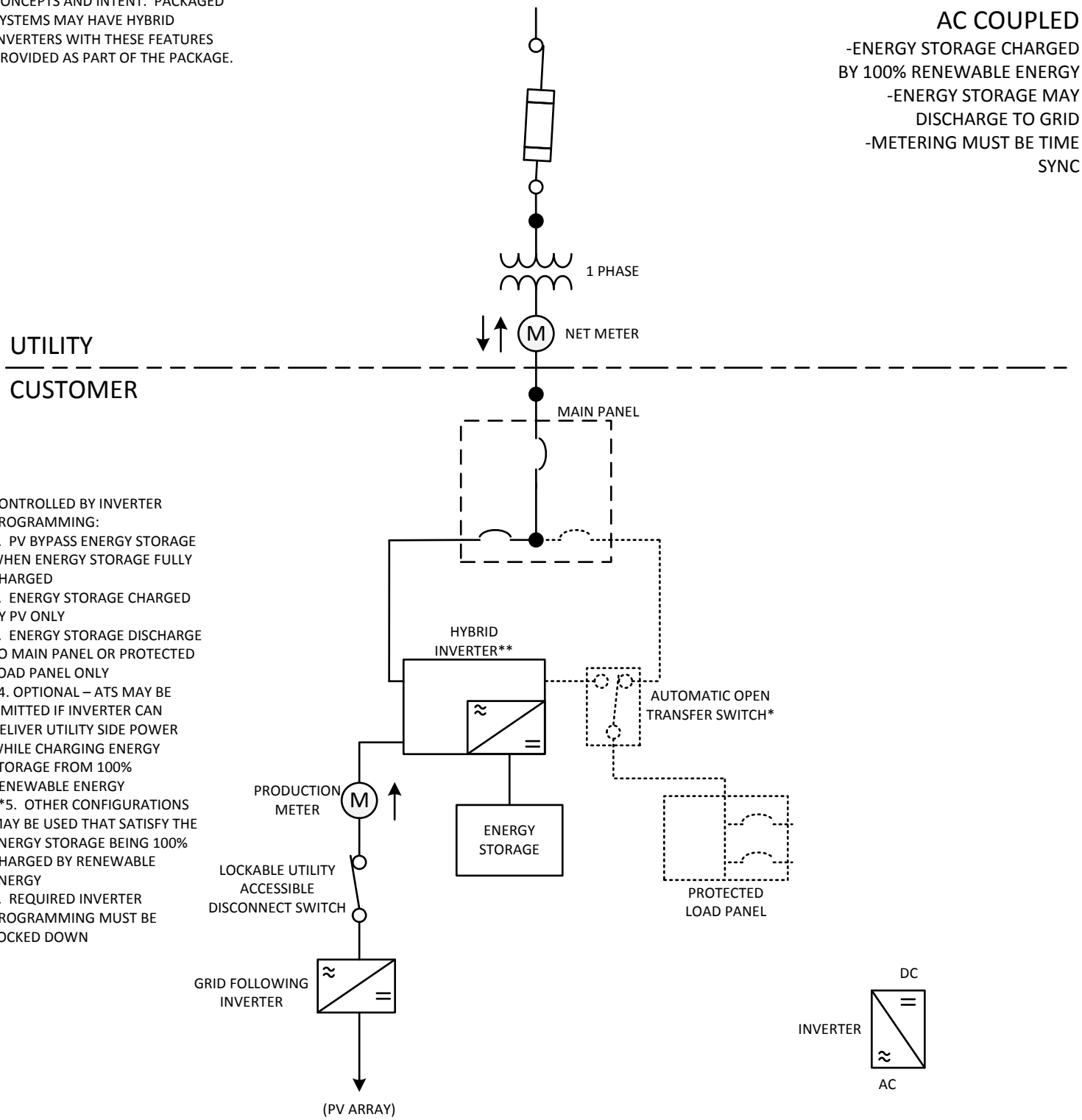
FIGURE ILLUSTRATES REPRESENTATIVE CONCEPTS AND INTENT. PACKAGED SYSTEMS MAY HAVE HYBRID INVERTERS WITH THESE FEATURES PROVIDED AS PART OF THE PACKAGE.

CONFIGURATION #2B
AC COUPLED

-ENERGY STORAGE CHARGED BY 100% RENEWABLE ENERGY
-ENERGY STORAGE MAY DISCHARGE TO GRID
-METERING MUST BE TIME SYNC



CONTROLLED BY INVERTER PROGRAMMING:
1. PV BYPASS ENERGY STORAGE WHEN ENERGY STORAGE FULLY CHARGED
2. ENERGY STORAGE CHARGED BY PV ONLY
3. ENERGY STORAGE DISCHARGE TO MAIN PANEL OR PROTECTED LOAD PANEL ONLY
*4. OPTIONAL – ATS MAY BE OMITTED IF INVERTER CAN DELIVER UTILITY SIDE POWER WHILE CHARGING ENERGY STORAGE FROM 100% RENEWABLE ENERGY
**5. OTHER CONFIGURATIONS MAY BE USED THAT SATISFY THE ENERGY STORAGE BEING 100% CHARGED BY RENEWABLE ENERGY
6. REQUIRED INVERTER PROGRAMMING MUST BE LOCKED DOWN

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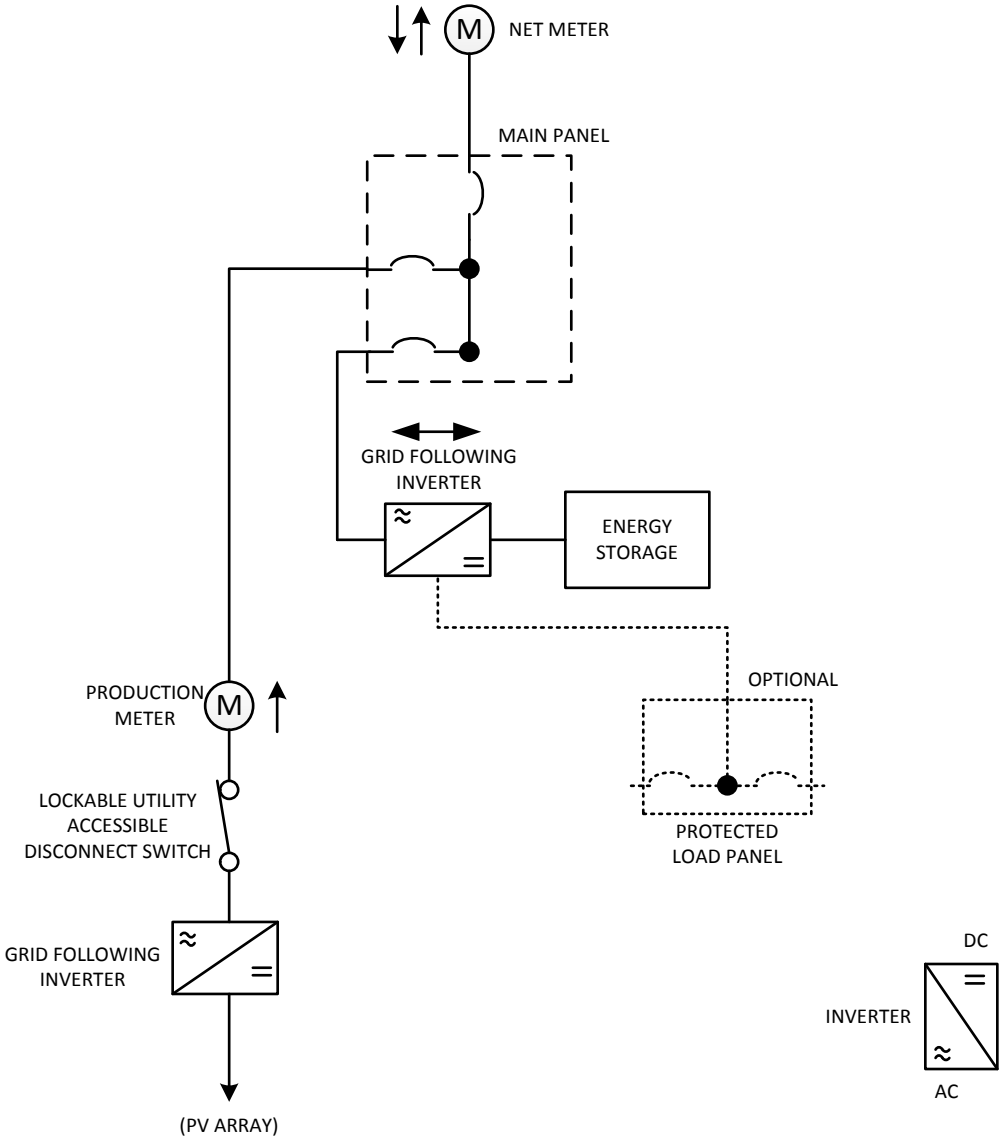
FIGURE ILLUSTRATES REPRESENTATIVE CONCEPTS AND INTENT. PACKAGED SYSTEMS MAY HAVE HYBRID INVERTERS WITH THESE FEATURES PROVIDED AS PART OF THE PACKAGE.

CONFIGURATION #2C
AC COUPLED

-ENERGY STORAGE CHARGED FROM GRID OR RENEWABLE ENERGY
-ENERGY STORAGE NOT ALLOWED TO EXPORT TO GRID
-METERING MUST BE TIME SYNC

REGARDING THE ENERGY STORAGE INVERTER:
1. REQUIRED INVERTER PROGRAMMING MUST BE LOCKED DOWN
2. INVERTER MAY BE CONNECTED TO PROTECTED LOAD PANEL IF INVERTER CAN PROVIDE TRANSFER SWITCH FUNCTION



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PV + ENERGY STORAGE CONFIGURATION

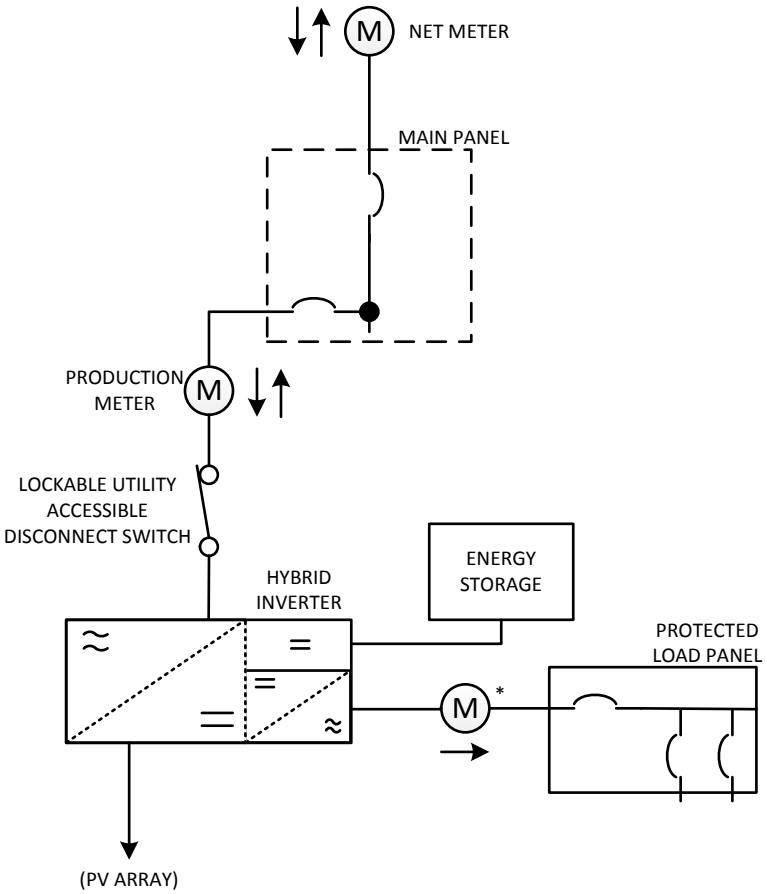
FIGURE ILLUSTRATES REPRESENTATIVE CONCEPTS AND INTENT. PACKAGED SYSTEMS MAY HAVE HYBRID INVERTERS WITH THESE FEATURES PROVIDED AS PART OF THE PACKAGE.

CONFIGURATION #3A
HYBRID EXAMPLE
METER OPTION

-ENERGY STORAGE MAY EXPORT
-METERING MUST BE TIME SYNC

1. GRID FOLLOW
2. GRID FORM
3. CHARGER
4. TRANSFER
5. REQUIRED INVERTER PROGRAMMING MUST BE LOCKED DOWN

*6. METER REQUIRED WHEN PROTECTED LOAD PANEL IS INSTALLED ON INVERTER SIDE OF PRODUCTION METER



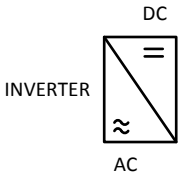


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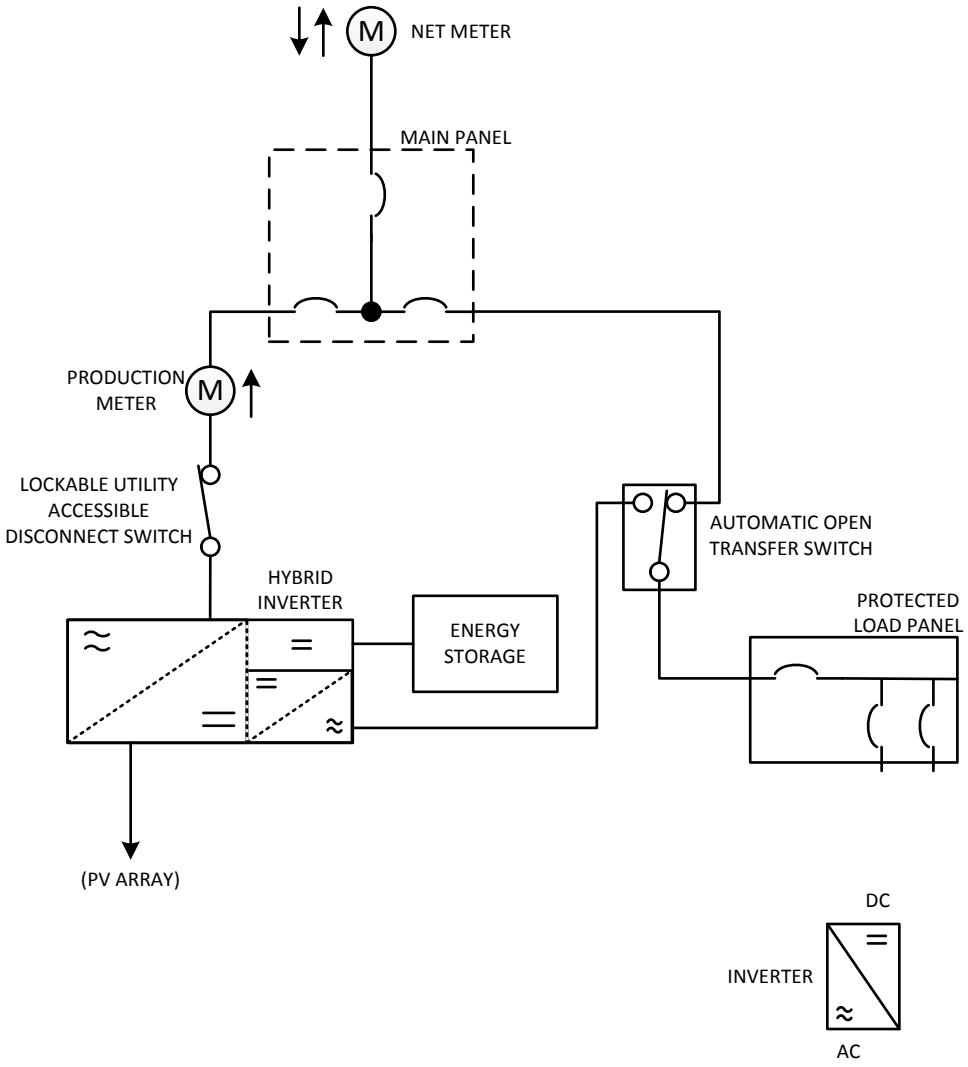
FIGURE ILLUSTRATES REPRESENTATIVE CONCEPTS AND INTENT. PACKAGED SYSTEMS MAY HAVE HYBRID INVERTERS WITH THESE FEATURES PROVIDED AS PART OF THE PACKAGE.

CONFIGURATION #3B
HYBRID EXAMPLE
TRANSFER OPTION

-ENERGY STORAGE MAY EXPORT
-METERING MUST BE TIME SYNC

1. GRID FOLLOW
2. GRID FORM
3. CHARGER
4. TRANSFER
5. REQUIRED INVERTER PROGRAMMING MUST BE LOCKED DOWN



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