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

CHARGER, INVERTER, AND TRANSFER SWITCH MAY BE CONTAINED IN ONE EQUIPMENT PACKAGE.

12/05/2018
FOR USE IN NEW MEXICO
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
-ENERGY STORAGE SYSTEM NOT ALLOWED TO EXPORT TO GRID

ENERGY STORAGE SYSTEM CONFIGURATION
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 SYSTEM NOT ALLOWED TO EXPORT TO GRID

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DG + ENERGY STORAGE SYSTEM CONFIGURATION
FIGURE ILLUSTRATES REPRESENTATIVE CONCEPTS AND INTENT. PACKAGED SYSTEMS MAY HAVE HYBRID INVERTERS WITH THESE FEATURES PROVIDED AS PART OF THE PACKAGE.

CHARGER, INVERTER, AND TRANSFER SWITCH MAY BE CONTAINED IN ONE EQUIPMENT PACKAGE OR ACHIEVED WITH INVERTER PROGRAMMING

PRODUCTION METER (WHEN REQUIRED)

LOCKABLE UTILITY ACCESSIBLE DISCONNECT SWITCH

GRID FOLLOWING INVERTER

(PV ARRAY)

ENERGY STORAGE SYSTEM

PROTECTED LOAD PANEL

PV + ENERGY STORAGE SYSTEM CONFIGURATION

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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

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

CONTROLLED BY INVERTER PROGRAMMING:
1. PV BYPASS STORAGE WHEN STORAGE FULLY CHARGED
2. STORAGE CHARGED BY PV ONLY
3. 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 STORAGE FROM 100% RENEWABLE ENERGY
5. OTHER CONFIGURATIONS MAY BE USED THAT SATISFY THE STORAGE BEING 100% CHARGED BY RENEWABLE ENERGY
6. REQUIRED INVERTER PROGRAMMING MUST BE LOCKED DOWN

UTILITY

CUSTOMER

PV + ENERGY STORAGE SYSTEM CONFIGURATION

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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.

REGARDING THE 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

GRID FOLLOWING INVERTER

PRODUCTION METER (WHEN REQUIRED)

LOCKABLE UTILITY ACCESSIBLE DISCONNECT SWITCH

GRID FOLLOWING INVERTER

(PV ARRAY)

NET METER

MAIN PANEL

ENERGY STORAGE SYSTEM

INVERTER

AC

DC

OPTIONAL

PROTECTED LOAD PANEL

GRID FOLLOWING INVERTER

METERING MUST BE TIME SYNC

- STORAGE CHARGED FROM GRID OR RENEWABLE ENERGY
- STORAGE NOT ALLOWED TO EXPORT TO GRID
- PV MAY EXPORT TO GRID

FOR USE IN NEW MEXICO

12/05/2018
FIGURE ILLUSTRATES REPRESENTATIVE CONCEPTS AND INTENT. PACKAGED SYSTEMS MAY HAVE HYBRID INVERTERS WITH THESE FEATURES PROVIDED AS PART OF THE PACKAGE.

1. GRID FOLLOW
2. GRID FORM
3. CHARGER
4. TRANSFER
5. REQUIRED INVERTER PROGRAMMING MUST BE LOCKED DOWN
6. LOAD METER REQUIRED WHEN BOTH PROTECTED LOAD PANEL AND PRODUCTION METER ARE INSTALLED

PV + ENERGY STORAGE SYSTEM CONFIGURATION #3A
HYBRID EXAMPLE METER OPTION
- STORAGE MAY EXPORT
- METERING MUST BE TIME SYNC

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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.

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

PV + ENERGY STORAGE SYSTEM CONFIGURATION

12/05/2018
FOR USE IN NEW MEXICO