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

1. THE PROTECTED LOAD PANEL COULD BE A SEPARATE LOAD PANEL AS SHOWN IN THE DIAGRAM OR COULD BE THE ENTIRE MAIN PANEL.
2. BATTERY NOT ALLOWED TO PARALLEL WITH OR EXPORT TO GRID.
FIGURE ILLUSTRATES REPRESENTATIVE CONCEPTS & INTENT. PACKAGED SYSTEMS MAY HAVE HYBRID INVERTERS WITH THESE FEATURES PROVIDED AS PART OF THE PACKAGE.

#1b PARALLEL BATTERY

1. THE PROTECTED LOAD PANEL COULD BE A SEPARATE LOAD PANEL AS SHOWN IN THE DIAGRAM OR COULD BE THE ENTIRE MAIN PANEL.

*2. THE MAIN SERVICE METER MAY BE CHANGED TO A BI-DIRECTIONAL METER IN ORDER TO VERIFY COMPLIANCE WITH INADVERTENT EXPORT PROVISIONS.
FIGURE ILLUSTRATES REPRESENTATIVE CONCEPTS & INTENT. PACKAGED SYSTEMS MAY HAVE HYBRID INVERTERS WITH THESE FEATURES PROVIDED AS PART OF THE PACKAGE.

PARALLEL BATTERY + GENERATION

1. THE PROTECTED LOAD PANEL COULD BE A SEPARATE LOAD PANEL AS SHOWN IN THE DIAGRAM OR COULD BE THE ENTIRE MAIN PANEL.

*2. THE MAIN SERVICE METER MAY BE CHANGED TO A BI-DIRECTIONAL METER IN ORDER TO VERIFY COMPLIANCE WITH INADVERTENT EXPORT PROVISIONS.
FIGURE ILLUSTRATES REPRESENTATIVE CONCEPTS & INTENT. PACKAGED SYSTEMS MAY HAVE HYBRID INVERTERS WITH THESE FEATURES PROVIDED AS PART OF THE PACKAGE.

AC COUPLED
#2a
- STANDBY BATTERY

UTILITY

CUSTOMER

1. MAY BE ONE PACKAGE.
2. MAY BE ACHIEVED WITH INVERTER PROGRAMMING.

LOCKABLE UTILITY ACCESSIBLE DISCONNECT SWITCH

GRID FOLLOWING INVERTER

(PV ARRAY)

*3. THE PROTECTED LOAD PANEL COULD BE A SEPARATE LOAD PANEL AS SHOWN IN THE DIAGRAM OR COULD BE THE ENTIRE MAIN PANEL.
FIGURE ILLUSTRATES REPRESENTATIVE CONCEPTS & INTENT. PACKAGED SYSTEMS MAY HAVE HYBRID INVERTERS WITH THESE FEATURES PROVIDED AS PART OF THE PACKAGE.

AC COUPLED #2b

- BATTERY MAY EXPORT ONLY IF 100% CHARGED BY NEM ELIGIBLE GENERATION SOURCE

UTILITY

CUSTOMER

METERING MUST BE TIME SYNC

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

***7. PRODUCTION METER IS REQUIRED BASED ON THE DER SIZE AND PROGRAM UNDER WHICH THE APPLICATION IS SUBMITTED. SEE THE APPLICABLE TARIFFS.

****8. THE PROTECTED LOAD PANEL COULD BE A SEPARATE LOAD PANEL AS SHOWN IN THE DIAGRAM OR COULD BE THE ENTIRE MAIN PANEL.
AC COUPLED
#2c

- Battery may export only if 100% charged by NEM eligible generation source.

Battery 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.

*3. Production meter is required based on the DER size and program under which the application is submitted. See the applicable tariffs.

**4. The protected load panel could be a separate load panel as shown in the diagram or could be the entire main panel.

PV + Battery Configuration
HYBRID EXAMPLE

#3a

METER OPTION

-BATTERY MAY EXPORT ONLY IF 100% CHARGED BY NET ELIGIBLE GENERATION SOURCE

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

PV + BATTERY CONFIGURATION

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 WHERE A PRODUCTION METER IS REQUIRED.

**7. PRODUCTION METER IS REQUIRED BASED ON THE DER SIZE AND PROGRAM UNDER WHICH THE APPLICATION IS SUBMITTED. SEE THE APPLICABLE TARIFFS.

***8. THE PROTECTED LOAD PANEL COULD BE A SEPARATE LOAD PANEL AS SHOWN IN THE DIAGRAM OR COULD BE THE ENTIRE MAIN PANEL.
HYBRID EXAMPLE
#3b
TRANSFER OPTION

-BATTERY MAY EXPORT ONLY IF 100% CHARGED BY NEM ELIGIBLE GENERATION SOURCE

1. GRID FOLLOW
2. GRID FORM
3. CHARGER
4. TRANSFER
5. REQUIRED INVERTER PROGRAMMING MUST BE LOCKED DOWN
6. PRODUCTION METER IS REQUIRED BASED ON THE DER SIZE AND PROGRAM UNDER WHICH THE APPLICATION IS SUBMITTED. SEE THE APPLICABLE TARIFFS.
7. THE PROTECTED LOAD PANEL COULD BE A SEPARATE LOAD PANEL AS SHOWN IN THE DIAGRAM OR COULD BE THE ENTIRE MAIN PANEL.

PV + BATTERY CONFIGURATION