

FEATURES:

No autotransformer or battery inverter needed

User-selectable modes

Free system monitoring



GENERAC® PWRCELL

7.6kW 1Ø, 11.4kW 3Ø PWRcell Inverter w/ CTs and CT Adapter
Model: APKE00014, APKE00013

Solar-plus-storage is simple with the Generac PWRcell Inverter. This bi-directional, REbus™-powered inverter offers a simple, efficient design for integrating smart batteries with solar. Ideal for self-supply, backup power, zero-export and energy cost management, the PWRcell inverter is the industry's most feature-rich line of inverters, available in single-phase and three-phase models.

ADDITIONAL FEATURES

- Single inverter for grid-tied solar with smart battery integration
- Simplified system design: No autotransformer or battery inverter needed
- User-selectable modes for backup power, self-supply, time-of-use and zero-export
- Free system monitoring included via PWRview Web Portal and Mobile App

| AC OUTPUT/ GRID-TIE | MODEL APKE00014 | MODEL APKE00013 |
|--------------------------------------|-----------------|-----------------|
| RATED AC POWER OUTPUT: | 7600 W | 11400 W |
| AC OUTPUT VOLTAGE: | 120/240, 1Ø VAC | 120/208, 3Ø VAC |
| AC FREQUENCY: | 60 Hz | 60 Hz |
| MAXIMUM CONTINUOUS OUTPUT CURRENT: | 32 A, RMS | 32 A, RMS |
| GROUND-FAULT ISOLATION DETECTION: | Included | Included |
| CHARGE BATTERY FROM AC: | Yes | Yes |
| THD (CURRENT): | < 2 % | < 2 % |
| TYPICAL NIGHTTIME POWER CONSUMPTION: | < 7 W | < 7 W |

| AC OUTPUT/ BACKUP | MODEL APKE00014 | MODEL APKE00013 |
|--------------------------------------|-----------------|-----------------|
| RATED AC BACKUP POWER OUTPUT: | 8000 W | 8000 W |
| MAXIMUM AC BACKUP POWER OUTPUT: | 10000 W | 10000 W |
| AC BACKUP OUTPUT VOLTAGE: | 120/240, 1Ø VAC | 120/240, 1Ø VAC |
| AC FREQUENCY: | 60 HZ | 60 HZ |
| AC CIRCUIT BREAKER: | 50 A | 50 A |
| THD (VOLTAGE): | < 2 % | < 2 % |
| AUTOMATIC SWITCHOVER TIME: | < 1 Seconds | < 1 Seconds |
| TYPICAL NIGHTTIME POWER CONSUMPTION: | 30 W | 30 W |

| DC INPUT | MODEL APKE00014 | MODEL APKE00013 |
|-----------------------------------|-----------------|-----------------|
| DC INPUT VOLTAGE RANGE: | 360-420 VDC | 360-420 VDC |
| NOMINAL DC BUS VOLTAGE: | 380 VDC | 380 VDC |
| MAX INPUT CURRENT: | 20 A | 30 A |
| REVERSE-POLARITY PROTECTION: | YES | YES |
| GROUND-FAULT ISOLATION DETECTION: | YES | YES |
| TRANSFORMERLESS, UNGROUNDED: | YES | YES |

| DC INPUT/ BATTERY | MODEL APKE00014 | MODEL APKE00013 |
|------------------------------------|-----------------|-----------------|
| MAXIMUM CONTINUOUS POWER: | 8000 W | 8000 W |
| INTERNAL DC DISTRIBUTION BREAKERS: | 4X 2P30A | 4X 2P30A |
| DC FUSES ON PLUS AND MINUS: | 40 A | 40 A |
| 2-POLE DISCONNECTION: | YES | YES |

| EFFICIENCY | MODEL APKE00014 | MODEL APKE00013 |
|--------------------------|-----------------|-----------------|
| PEAK EFFICIENCY: | 97 % | 98 % |
| CEC WEIGHTED EFFICIENCY: | 96.5 % | 97.5 % |

Specifications



FEATURES AND MODES

| | |
|---------------------------------------|-----|
| ISLANDING ³ : | Yes |
| GRID SELL: | Yes |
| SELF CONSUMPTION: | Yes |
| PRIORITIZED CHARGING FROM RENEWABLES: | Yes |
| GRID SUPPORT - ZERO EXPORT: | Yes |

ADDITIONAL FEATURES

| | |
|--|-----------------------------------|
| SUPPORTED COMMUNICATION INTERFACES: | CANbus, RS4854, Ethernet |
| SYSTEM MONITORING: | PWRview Web Portal and Mobile App |
| CRITICAL LOADS DISCONNECT ³ : | Yes |
| MANUAL INVERTER BYPASS SWITCH: | Automatic |
| WARRANTY: | 10 Years |

STANDARDS COMPLIANCE

| | |
|----------------------------|-----------------------------|
| SAFETY: | UL1741 SA, CSA 22.2 |
| GRID CONNECTION STANDARDS: | IEEE1547, Rule 21, Rule 14H |
| EMISSIONS: | FCC part15 class B |

DIMENSIONS AND INSTALLATION SPECIFICATIONS

| | |
|--|--|
| WIRE GAUGE RANGE: | 10 - 8 AWG |
| TOTAL AC KNOCKOUTS x SIZE: in (mm) | 2 x 0.75" (19.1), 2 x 1" (25.4) |
| TOTAL DC KNOCKOUTS x SIZE: in (mm) | 5 x 1" (25.4) |
| DIMENSIONS L x W x H: in (mm) | 24.5" x 19.25" x 8" (622.3 x 488.9 x 203.2) |
| WEIGHT: lb (kg) | 62.7 (28.4) |
| COOLING: | Forced convection |
| NOISE: | < 40 dBA |
| OPERATING TEMPERATURE: Fahrenheit (Celsius) | -4 to 122 °F (-20 to 50 °C)* |
| PROTECTION RATING: | NEMA 3R |

INSTALLATION GUIDELINES

| | |
|---|------------------------|
| BATTERY TYPES SUPPORTED: | PWRcell battery module |
| MODULE STRING SIZE PER PV LINK OPTIMIZER: | 2-9 PV modules |
| MAXIMUM RECOMMENDED DC POWER FROM PV: | 10kW (10), 15kW (30) |
| BATTERIES PER INVERTER: | Up to 2 |

³ 30 inverters offer islanding for 10 loads, * Modbus,
*Reduced power at extreme temperatures

Specifications subject to change without notice.