

STRATTA 3

Three Phase, 8 to 50 kW

A POWERFUL INVERTER SOLUTION

The Stratta 3 is capable of protecting Large Scale Loads while maintaining a Pure Sine Wave Output. Equipped with 2 Isolation Transformers to protect your loads from surges while minimizing electrical noise and harmonics.



■ features

- 90 Minute Backup Design at Full Load
- Listed to UL924 and UL1778 Standards
- Compatible with Self-Ballast Fluorescent, Incandescent, Halogen, Quartz Re-strike, HID, HPS and LED
- True Online Double Conversion Technology with **Zero Transfer Time**
- Pure Sinusoidal Waveform
- High Frequency Pulse Width Modulation (PWM) for Conditioned Power to the Load
- Internal Maintenance Bypass Switch
- TVSS Input Transient Voltage Surge Suppressor (Class C)
- Main Input & Output Breakers (UL489)
- Microprocessor Controlled LCD with Visual Status and Event indicators
- Self-Testing and Battery Exerciser with LCD Display
- DC Breakers for Ease of Maintenance

■ optional features

- Global Monitoring (GMS):
 - GMS 1: Local Event Logger with Memory (PC Connections via RS232 and RS485) 500 Events
 - GMS 2: Remote Monitoring with Local Network Connection (WiFi, Ethernet or Modem)
 - GMS 3: Remote Monitoring with Cellular Network Connection
- Remote Status Panel
- Battery Monitoring (String or Per Battery)
- Dry Contacts Normally Open
- Form C Dry Contact with N/O or N/C Field Selectable for Desired Signal
- Normally ON or Normally OFF Auxiliary Output Circuit Breakers (24 Max)
- Custom Rated KAJC Breakers
- 65 KAJC Total System Short Circuit Current Rating
- External Maintenance Bypass Switch
- Seismic Brackets
- Long Life Battery 20 Year Warranty
- Time Delayed Transfer to Battery
- Time Delayed Transfer from Battery
- Maintenance
 - Extended Warranty
 - Preventative Maintenance Plans

SPECIFICATIONS

Three Phase
10-62kVA (8 to 50 kW)

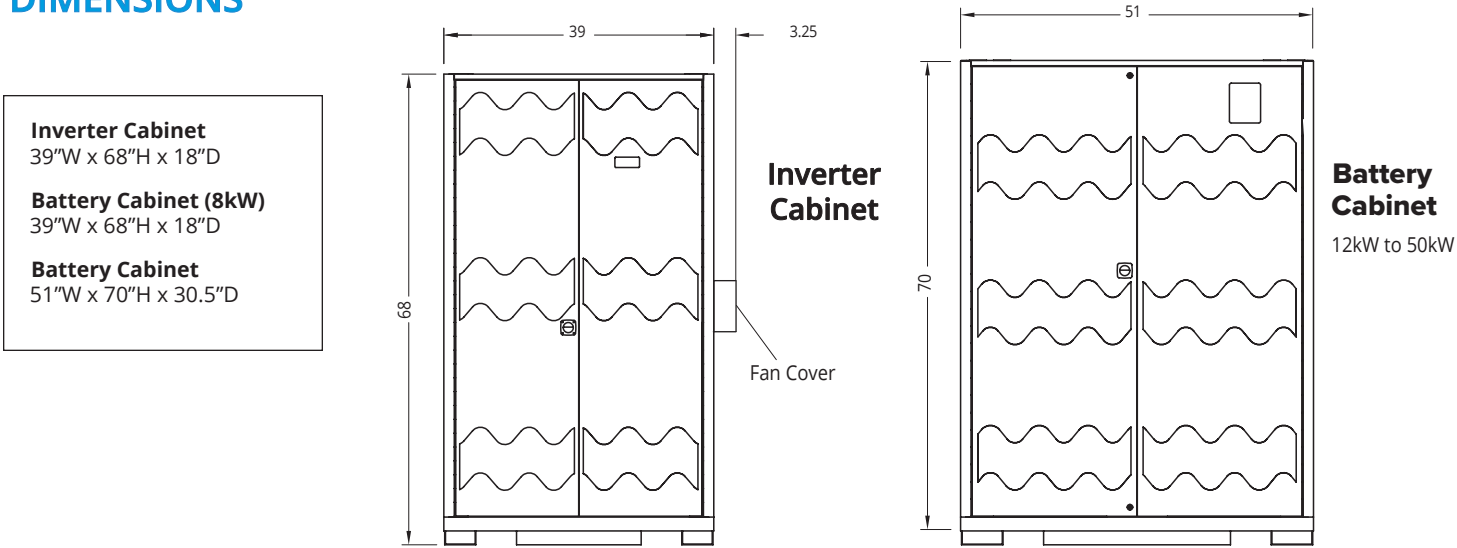
*All units are 90 minutes battery backup time @ full load. Consult factory for backup times (up to 120 minutes).

SAFETY STANDARDS
UL924, UL1778, NFPA101, NFPA70, NEMA, and ANSI, Listed to UL924 and UL1778 Standards

INPUT
AC Voltage: +10% / -15%
Frequency: Slew rate of 1Hz/sec (max)
OUTPUT
AC Voltage Regulation: +5% regulated within CBEMA curve
Wave Form: Sine Wave
Harmonic Distortion: < 5% of THD at linear load
Efficiency: Greater than 90%
Inverter Overload Capability: 125% for 10 minutes, 150% surge for 10 seconds
Bypass Overload Capability: 150%

PROTECTION
Overload: 115% for 5 - 10 min, 125% for 30 sec
BATTERY
Battery: Sealed, Maintenance-free, Lead-Acid, VRLA (Standard) 10 years
Recharge Time: Conforms to UL standards
ENVIRONMENT (Electronics)
Operating Temp: 0° to 40°C (32° to 104°F)
Electronic Storage Temp: -20° to 70°C (-4° to 158°F)
Humidity: 0% to 95% (non-condensation)
Altitude: Up to 6,000 ft
Audible Noise: 57 dBA, typical

DIMENSIONS



MODEL NUMBERS

Unit Name	Capacity (kVA/kW)	Input (Volts)	Output (Volts)
ST3 Stratta 3	C8 10/8	V2Y 208Y/120	V2Y 208Y/120
	C12 15/12	V4Y 480Y/277	V4Y 480Y/277
	C16 20/16		
	C20 25/20		
	C24 30/24		
	C32 40/32		
	C40 50/40		
	C50 62/50		

Note: kW equates to real power

BTU / WEIGHT

Capacity (kVA/kW)	Cabinets	90 min (lbs)				120 min (lbs)			
		INVERTER #		BATTERY #		INVERTER #		BATTERY #	
10/8		1083	1	1392	1	1085	1	1552	1
15/12		1446	1	3224	1	1446	1	2112	1
20/16		1679	1	3560	1	1679	1	3104	1
25/20		1679	1	4545	1	1679	1	3504	1
30/24		1719	1	4568	1	1719	1	4656	2
40/32		2066	1	8664	2	2066	1	5148	2
50/40		2463	1	8800	2	2463	1	7760	2
62/50		2565	1	12700	2	2565	1	8760	3

Approximately 3000 BTUs per hour for every 10 kilowatts. The approximation is worst case BTU output, measured during recharge following a discharge.

WARRANTY:

Standard warranty is eighteen (18) months from ship date or twelve (12) months from start up, whichever occurs first. Optional second year warranty with factory performed preventative maintenance available.

ORDERING INFORMATION

PROJECT NAME :

REP / DISTRIBUTOR :

ELECTRICAL DESIGNER / ENGINEER :

DATE :

Example: ST3 C50 V4YV2Y SB N08V140 FT LCR20A(3) BM GMS3 PM1W

MODEL
SERIES**ST3:**
Stratta 3CAPACITY
kW/kVA**C8:** 8/10
C12: 12/15
C16: 16/20
C20: 20/25
C24: 24/30
C32: 32/40
C40: 40/50
C50: 50/62VOLTAGE
INPUT/OUTPUT**INPUT** **OUTPUT**
V2Y - 208Y/120 **V2Y** - 208Y/120
V4Y - 480Y/277 **V4Y** - 480Y/277*Input 'V2Y' not compatible with
Output 'V4Y'

BATTERY TYPE

SB: Standard @ 90 min
LB*: Long Life @ 90 min
HB: Hi Temp @ 90 min
UB: USA @ 90 min
(required for BAA and BABA compliance)
SB2H: Standard @ 120 min
LB2H*: Long Life @ 120 min
HB2H: Hi Temp @ 120 min
UB2H: USA @ 120 min
(required for BAA and BABA compliance)*Long Life 20-year Pro Rata
Battery

AUX BREAKERS (UL1077)

AUX BREAKERS EXAMPLE

N 08 V1 40

OUTPUT

N: Normally ON
F: Normally OFF
FTD:** Normally OFF
w/ Time Delay

BREAKERS

01 - 24* (Max 24)

* Only up to 24 poles

** Allows you to have individual circuits remain on
battery even when utility is restored for a period of
time; Must be a normally OFF circuit

***Consult factory for custom amp rating

AMP RATING***

10, 15, 20, 25,
30, 40, 50, 60
STANDARD: 20 AMP

VOLTAGE

V1 - 120V, 1P
V20 - 208V, 2P
V24 - 240V, 2P
V27 - 277V, 1P
V4 - 480V, 2P
V2Y1 - 208Y/120, 3P
V4Y2 - 480Y/277, 3P

OPTIONS

PICK ANY:

X: Seismic Mounting
LCR20A(#): Load Control Relay,
Single Flex Stud Mounting (#): Qty
LCR20(#): Load Control Relay, No Flex (#): Qty
EB: Ex. Maintenance Wraparound Bypass Switch
SCCR: 65 KAIC Total System Short Circuit Current Rating
DS: Drip Shield Hood
CL: Corbin Lock

BATTERY OPTIONS

FC: Fast Charge (12 hrs or less)
TR: Thermal Runaway Gassing Control without Battery
Disconnect (IFC 1206.2)

MONITORING OPTIONS

DO: Dry Contacts Open Signal
DCT2: Dual, Open and Closed Dry Contacts
A: Local Audible Alarm with Silencer Switch
CP: RS232 Connecting Port
P: Remote Status Panel (Hard Wired with Extended
Cable)

SYSTEM TRANSFER

FT: Fast Transfer with 2 Milliseconds
TD(B): User Selectable Time Delay to Battery for
Capacitor Discharge During EM (Standard 45
milliseconds)
TD(U): User Selectable Time Delay Back to Utility During
Power Restoration for Facility Inrush

BATTERY MONITORING SYSTEM (BMS) - PICK ONE:

SM: String Monitoring
BM: Battery Monitoring
BMTS: Temperature Sensor

GLOBAL MONITORING SYSTEM (GMS) - PICK ONE:

GMS 1: Local Accessible Event Logger with Unit Audible Alarm
GMS 2: Testing Logs with Remote Accessibility through Local
Network
GMS 3: Testing Logs with Remote Accessibility through Local
Network and GPRS for Cellular Text Alerts**BAA:** Buy American Act Compliant
BABA: Build America Buy America Act CompliantWARRANTY
& SERVICES

PICK ANY:

SSW: Standard Onsite
Startup and Warranty

ADDITIONAL:

PM1W: Additional One Year
Extended Warranty
(Includes First Year
Preventative Maintenance)**PM (2-3)W:** Onsite
Preventative Maintenance
(Once Per Year, up to 3
Years)

ORDER ADD-ONS

T4H: Additional 4 Hour
Training at Time of Start Up**T8H:** Additional Training
day up to 8 hours