

# The UniStar® P Parallelable UPS

- Power range and runtime scalability
- Full-time Digital Signal Processor Control
- LCD/LED mimic panel
- Easy-to-set user personalization
- Up to 98% energy efficiency
- Continuous power conditioning, even when not running on battery
- Smooth, uninterrupted switching from utility power to battery mode, and back again
- Wide fluctuations in utility power are handled without going to battery
- Parallel up to four units for added capacity or redundancy, using a simple connection on the rear panel without additional cabinets
- Unlike most UPSs in this size range, the UniStar® P has a very low rate of added and reflected harmonics, which protects the integrity of your entire electrical system
- Full Two Year Warranty on the UPS and a pro-rated warranty on the batteries





The UniStar® P's input power factor correction, high efficiency, and parallel redundancy capabilities always provide superior levels of power quality to protect sensitive electronics and computer equipment.

### **Two Year Warranty**

#### **Electronics:**

A full **Two Year** parts with depot repair or replacement warranty is standard.

#### **Battery:**

A full **One Year Warranty**, 4-year pro-rated, on the Battery System ensures that your batteries are protected from system failure now and in the future. (Warranty provided by battery manufacturer.)

Extended warranties, customized service plans and preventative maintenance are also available. *Please refer to our warranty statement for complete details.* 



### **Applications**

- Broadcast
- Computer Networks
- Retail
- Robotics
- Printing
- Medical/Pharmaceuticals
- Paper Production
- Food Processing

### On-line, Single-phase Parallel Redundant UPS System

#### **Proven Technology**

Higher reliability and greater immunity from power anomalies is achieved through our field-proven Digital Signal Processor architecture. The front panel controls are intuitive and user friendly. The system display clearly communicates all major system parameters, system status, and system diagnostics, and includes access to system information and unit personalization via the front panel.

#### **Simple Parallel Installation**

For increasing power capacity, or making redundant systems, the UniStar®P can be installed in parallel. By simply connecting the parallel control lines through an RJ-45 connector on the rear panel and CAN-bus, communication is established to all units. Up to four units can be paralleled together without a paralleling cabinet.

# Power Range and Runtime Scalability

The UniStar®P provides an excellent return on investment. The system is fully modular, allowing you to increase the overall power output and battery runtime as your system grows. It is important however, that you plan your electrical installation to fit your needs. Our worldwide network of sales representatives and distributors can assist you with a tailored solution that meets your needs.

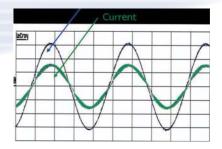
## Full Time Digital Signal Processor Control

The full-time DSP control system inside the UniStar®P provides a pure sine wave using our patented inverter control technology. The UniStar®P provides N+1 scalability without additional components.



UniStar® P Series Tower shown paralleled and with battery cabinet





# High Input Power Factor and Low Current THD

The UniStar®P meets today's industry standard for energy savings and low reflected harmonics, and achieves up to 0.99 Power Factor as well as <5% THD.

#### **Energy Efficient UPS**

The AC to AC efficiency of the UPS may reach up to 91% at 25% load, and better with larger loads and normal VFI operation. Using the ECO mode, up to 98% efficiency can be achieved.

#### **Smart ECO Mode**

In ECO operation mode, the UniStar® P normally supplies power to load via bypass utility. It will automatically transfer to inverter supply with SmartECO Mode if the bypass utility becomes out of tolerance.

# Programmable Frequency Converter

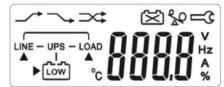
Using the front panel keypad, you may reprogram the UniStar®P to act as a frequency converter for either 50 Hz or 60 Hz. (Consult factory for further information)

#### **EPO Function**

The Emergency Power Off Function enables user shutdown of the UPS in an emergency situation.

#### **Manual Maintenance Bypass**

The internal manual bypass ensures a continuous supply of power to the critical load during service or periodic maintenance of the UPS system. The bypass switch is electrically interlocked with the inverter to provide safe operation.



#### **LCD/LED Mimic Panel**

A concise LCD/LED display provides real-time status and readings such as operation modes, AC voltage, frequency, battery voltage, load level, inner temperature, and more. A full-size microprocessor-based graphical LCD display provides advanced monitoring functions.

#### **Intelligent Self-Diagnostics**

The DSP self-diagnostics assists the service engineer in pinpointing system faults rapidly, making repairs fast and easy.

#### **Silent Fan Control**

The UniStar®P employs forced air cooling by internally mounted fans with speed control that is based on load percentage. This means low audible noise levels, suitable for most environments.

#### **User Personalization**

Through the LCD front panel, you may easily change the parameters and settings built in to the DSP controllers, such as UPS operation modes, voltage configurations, synchronization frequency windows (for use with generators), bypass voltage tolerances and audible alarm.

#### **Advanced Battery Management**

The UniStar®P automatically manages the end of discharge voltage according to load. This function prevents deepdischarge of the built-in battery during a power failure and saves battery life.

#### **Galvanic Isolation Transformer**

The galvanic isolation transformer provides not only complete isolation between the input and the output, but also various secondary voltages, such as 220/230/240 Vac, 208/120 Vac and 240/120 Vac.



#### **Cold Start Function**

Users can turn on the UPS without utility power available.





# Variety of Customer Options Slots

This UPS also provides two customer option communication slots in addition to the standard RS232 port. All communications cards are designed for simple installation; electrical connections are made through a 26-pin edge card connector. The first RS232 port on the rear panel will remain active, even though optional communication cards are installed.

### **Communications Capability**

The UniStar®P is shipped with standard monitoring/shutdown software. The software allows control of the UPS and graceful shutdown when the utility power fails, but also allows the user to:

- Remotely test the major operating functions of the UPS
- Communicate via SNMP/WEB card
- Access UPS functions via the WEB



### **Hot-Swappable Battery**

The UniStar®P allows users to replace batteries without electric shock hazard, while the UPS supplies continuous power to your application.

# Optional External Battery Charger

The optional charger can be installed for fast recharge of the extended battery pack.

- Power Output: 1000W
- Mounting: UPS or wall mount



Optional matching battery packs are available to easily extend the UPS runtime to several hours.





#### 6, 8 & 10kVA Single Phase UPS Tower Extended Battery Run Times (minutes)

UPS Size	Part Number	Qty. of Cabinets	25% Load	50% Load	75% Load	100% Load
	Internal	0	56	22	12	8
6kVA		1	226	95	56	38
	SC-BP6000T-2	2	420	180	109	75
		3	629	273	166	116
		4	847	370	226	158
		5	1073	471	289	203
8kVA	Internal	0	64	21	12	7
		1	216	91	54	37
	SC-BP1100T-2	2	402	172	104	72
		3	602	261	158	110
		4	812	354	216	151
		5	1028	451	276	194
10kVA	Internal	0	40	15	8	5
		1	164	68	40	27
	SC-BP1100T-2	2	307	131	78	54
		3	461	198	120	83
		4	623	270	154	114
		5	790	345	210	147
60 X Cabi	inet (3 strings)					
UPS Size	Part Number	Qty. of Cabinets	25% Load	50% Load	75% Load	100% Load
	Internal	0	56	22	12	8
6kVA	SC-BP6000T-3	1	321	137	82	56
		2	629	273	106	116
		3	959	420	257	180
		4	1305	576	354	249
		5	1660	737	454	321
8kVA	Internal	0	64	21	12	7
		1	307	131	78	54
	SC-BP1100T-3	2	602	261	158	110
		3	919	402	246	172
		4	1251	551	338	238
		5	1594	706	435	307
10kVA	Internal	0	40	15	8	5
		1	234	98	58	40
	SC-BP1100T-3	2	461	198	120	83
		3	706	307	187	130
		4	963	422	258	181
		5	1229	541	332	234

Note 1: External 1000W Battery Charger (P/N SC-CHG-1000) required every (2) External Battery Cabinets

### **About Staco Energy Products Company**

Since 1937, customers worldwide have been relying on Staco Energy Products Company to deliver voltage control and power quality solutions tailored to their needs.

As a leading power quality resource we offer our customers world-class support; from our thorough applications assessment; to our ability to design and deliver a solution that is tailored to the specific needs of our customers; through delivery and commissioning.

Our professional, factory trained service team is in place to ensure that our customers' revenues are protected, and their investment provides them with many years of trouble free operation.

Staco develops total power solutions for OEM and end user applications.

#### *In addition to the UniStar®P* we offer a wide array of power quality products, including:

- Uninterruptible Power Supplies
- Power Conditioners
- Voltage Regulators
- Power Factor Correction and Harmonic Mitigation
- Active Harmonic Filters
- Variable Transformers
- Custom Engineered Test Sets

### UniStar P Series

Voltage Range	Tower Models	SC60021T	SC60022T	SC80021T	SC80022T	SC11021T	SC11022T			
Voltage   160 - 280 Vac   Frequency			dwire							
PhaseNife	Voltage Range									
Display										
Current THD										
Voltage										
Voltage										
Voltage (Adjustment)         240/120Vac	Connection	000/400	000/000/000/		r	000/400	000/000/000/			
Voltage Regulation	Voltage									
Capacity			+/- 0%			/oltages				
Redundancy or Capacity — 4 Units   Redundancy or Capacity — 4 Units   Rated Power Factor   Sine Wave, THD < 3% (no load to full load)		00001/4	/4000\\			40000\/A	/7000\\			
Rated Power Factor		6000V <i>P</i>					V7000VV			
Frequency Stability Frequency Regulation Transfer Time Oms/instantaneous Crest Factor Efficiency (AC to AC Nominal) Efficiency (AC to AC ECO Mode) Up to 97% Up to 93%  Get AC To AC ECO Mode) Leakage Current Manual Bysas Switch DC Start Cooling Load Dependant Variable Speed Fans  DISPLAY, ALARMS, DIAGNOSTICS, COMMUNICATIONS & EMERGENCY FUNCTION Line Mode, Backup Mode, ECO Mode, Bypass Supply, Battery Low, Battery Bad/Disconnected, Overload, Transferring with interruption & LIPS Fault PLCD Status On LED + LCD Overload, Transferring with interruption & LIPS Fault Self-Diagnostics Audible Alarms and Visual Line Failure, Battery Low, Transfer to Bypass, System Fault Conditions  R5232 Serial Port (2 slots available for optional SNIMP/WEB, USB or Dry Contact Card) Emergency Power Off (EPO) Connection  R795 Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  R796 Emergency Power Off Self-Diagnostics University Self-Diagnostics University Self-Diagnostics Audible Alarms and Visual Communications  R8232 Serial Port (2 slots available for optional SNIMP/WEB, USB or Dry Contact Card)  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  FUNISCAL Dimensions (HxWxD)  29.5° x 11.4° x 25.4°  Seeled Lead Acid Maintenance Free, 20 each 12V/7AH, 240Vdc Free, 20 each 12V/9AH, 240Vdc Free,										
Frequency Regulation Transfer Time Oms/instantaneous  Crest Factor  Grest Gres			Sine			l load)				
Transfer Time Oms/instantaneous Crest Factor 3:1  Efficiency (AC to AC Nominal) 91%  (AC to AC ECO Mode) Up to 97% Up to 93%  Adama Bysas Switch Make – Before - Break  Cooling Leakage Current Manual Bysas Switch Yes  Cooling Load Dependant Variable Speed Fans  BISPLAY, ALARMS, DIAGNOSTICS, COMMUNICATIONS & EMERGENCY FUNCTION  Line Mode, Backup Mode, ECO Mode, Bysass Supply, Battery Low, Battery Bad/Disconnected, Overload, Transferring with interruption & UPS Fault  Readings On LED LCD Coverload, Transferring with interruption & UPS Fault  Self-Diagnostics Dependent Voltage, Input Prequency, Loud Percentage, Battery Voltage & Unit's Inner Temperature  Self-Diagnostics Dependent Voltage & Unit's Inner Temperature  Self-Diagnostics Audition Audition Self-Diagnostics Dependent Voltage & Unit's Inner Temperature  Self-Diagnostics Dependent Voltage & Voltage										
Crest Factor  Efficiency (AC to AC Nominal)  Efficiency (AC to AC ECO Mode)  Up to 97%  Up to 93%  Leakage Current  Manual Bypass Switch  Cooling  DISPLAY, ALARMS, DIAGNOSTICS, COMMUNICATIONS & EMERGENCY FUNCTION  Line Mode, Backup Mode, ECO Mode, Bypass Supply, Battery Low, Battery Bad/Disconnected, Overload, Transferring with interruption & UPS Fault Frequency, Cutput Voltage, Buttery Low, Transfer to Bypass, System Fault Conditions  Readings On LED + LCD  Emergency Power Off (EPO) Connection  Readings On LED + LCD  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit										
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Efficiency (AC to AC ECO Mode) Leakage Current Manual Bypass Switch DC Start Cooling Load Dependant Variable Speed Fans DISPLAY, ALARMS, DIAGNOSTICS, COMMUNICATIONS & EMERGENCY FUNCTION Status On LED + LCD Readings On LED + LCD Readings On LED + LCD Readings On LED + LCD Self-Diagnostics Upon Power-on, Front Panel Setting & Software Control, 24 Hour self-check Audible Alarms and Visual Upon Power-on, Front Panel Setting & Software Control, 24 Hour self-check Locommunications RES232 Serial Port (2 slots available for optional SNMP/WEB, USB or Dry Contact Card) Emergency Power Off (EPO) Connection Physical Dimensions (HxWxD) 265 (21T), 190 (22T) Setting August 190	Efficiency	91%								
(AC to AČ ECO Mode) Leakage Current Manual Bypass Switch DC Start Ves Cooling Load Dependant Variable Speed Fans DISPLAY, ALARMS, DIAGNOSTICS, COMMUNICATIONS & EMERGENCY FUNCTION Status On LED + LCD DISPLAY, ALARMS, DIAGNOSTICS, COMMUNICATIONS & EMERGENCY FUNCTION Status On LED + LCD Status On LED + LCD Pupper Self-Diagnostics Upon Power-on, Front Panel Setting & Software Control, 24 Hour self check Audible Alarms and Visual Upon Power-on, Front Panel Setting & Software Control, 24 Hour self check Audible Alarms and Visual Communications Emergency Power Off (EPO) Connection Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit (EPO) Connection Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  Type Sealed Lead Acid Maintenance			- 070/			- 000/				
Make - Before - Break   Yes	(AC to AĆ ECO Mode)	Up to	9/%			0 93%				
DC Start   Ves   Cooling   Load Dependant Variable Speed Fans										
Load Dependant Variable Speed Fans										
Status On LED + LCD  Line Mode, Backup Mode, ECO Mode, Bypass Supply, Battery Low, Battery Bad/Disconnected, Overload, Transferring with interruption & LPS Fault  Readings On LED +LCD Self-Diagnostics Audible Alarms and Upon Power-on, Front Panel Setting & Software Control, 24 Hour self-check Audible Alarms and Visual Communications Res23 Serial Port (2 slots available for optional SNMP/WEB, USB or Dry Contact Card) Emergency Power Off (EPO) Connection  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  PHYSICAL Dimensions (HxWxD) 29.5" x 11.4" x 25.4" Meight (Ibs.) 265 (21T), 190 (22T) 29.5" x 11.4" x 25.4" Meight (Ibs.) 265 (21T), 190 (22T) 320 (21T), 203 (22T) 340 (21T), 223 (22										
Overload, Transferring with interruption & UPS Fault  Readings On LED + LCD  Self-Diagnostics  Line Failure, Battery Low, Transfer to Bypass, System Fault Conditions  Communications  R\$232 Serial Port ( 2 slots available for optional SNMP/WEB, USB or Dry Contact Card)  Emergency Power Off (EPO) Connection  Emergency Power Off (EPO) Connection  PHYSICAL  Dimensions (HxWxD)  29.5" x 11.4" x 25.4"  Weight (Ibs.)  302(21T), 203(22T)  304(21T), 29.5"(22T) x 11.4" x 25.4"  34.7"(21T), 29.5"(22T) x 11.4" x 25.4"  Weight (Ibs.)  302(21T), 203(22T)  302(21T), 203(22T)  304(21T), 29.5"(22T) x 11.4" x 25.4"  34.7"(21T), 29.5"(22T) x 11.4" x 25.4"  34.7"(21T	DISPLAY, ALARMS, DIAGNO				•					
Readings On LED   Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, + LCD   Battery Voltage & Unit's Inner Temperature   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self check   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self check   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self check   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self check   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self check   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self check   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self check   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self-check   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self-check   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self-check   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self-check   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self-check   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self-check   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self-check   Upon Power-on, Front Panel Setting & Software Control, 24 Hour self-check   Upon Power-on, Front Panel Setting & Software Power-on, Panel Setting & Software Power-on, Panel P	Status On LED + LCD	Line Mode, Ba	ckup Mode, ECC	Mode, Bypass S	Supply, Battery L	Low, Battery Bad/□	Disconnected,			
Self-Diagnostics Audible Alarms and Visual Communications Emergency Power Off (EPO) Connection RS232 Serial Port ( 2 slots available for optional SNMP/WEB, USB or Dry Contact Card) Emergency Power Off (EPO) Connection  RS232 Serial Port ( 2 slots available for optional SNMP/WEB, USB or Dry Contact Card) Emergency Power Off (EPO) Connection  RS232 Serial Port ( 2 slots available for optional SNMP/WEB, USB or Dry Contact Card)  Emergency Power Off (EPO) Connection  RS232 Serial Port ( 2 slots available for optional SNMP/WEB, USB or Dry Contact Card)  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  PWSICAL  Dimensions (HxWxD) 29.5" x 11.4" x 25.4" 34.7"(21T), 29.5"(22T) x 11.4" x 25.4" 340(21T), 29.5"(22T) x		Input Voltage Input Frequency Output Voltage Output Frequency Load Percentage								
Visual   Communications   Communications   Res232 Serial Port ( 2 slots available for optional SMMP/WEB, USB or Dry Contact Card)	Self-Diagnostics	Upon Power-o	n, Front Panel Se	etting & Software	Control, 24 Hou	ır self check				
Emergency Power Off   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Connection   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Connection   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Connection   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Connection   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Connection   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Connection   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Connection   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Connection   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Connection   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Connection   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Connection   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Connection   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Connection   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Connection   Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit   (EPO) Saled Lead Acid Maintenance   Sealed Lead Acid Maintenance   Sealed Lead Acid Maintenance   Emergency Power Pow		Line Failure, Battery Low, Transfer to Bypass. System Fault Conditions								
Emergency Power Off (EPO) Connection  Emergency Power Off shuts down UPS when activated by customer supplied EPO Circuit  PHYSICAL  Dimensions (HxWxD)		RS232 Serial I	Port ( 2 slots avai	lable for optional	SNMP/WEB. U	SB or Dry Contact	Card)			
Dimensions (HxWxD)										
Weight (lbs.)   265 (21T), 190 (22T)   320(21T), 203(22T)   340(21T), 223(22T)		20.5" v 11	4" × 25 4"	24.7" (24T) 20.5" (2	2T) v 11 //" v 25 //	1247"(24T) 20 5"(2	OT\ v 11 4" v 25 4"			
Listing UL1778, c-UL; CE – FCC Class A    NTERNAL BATTERY										
Battery Run Time@ Full Load  Type Sealed Lead Acid Maintenance Free, 20 each 12V/7AH, 240Vdc Free, 20 each 12V/9AH, 240Vdc School Free, 20 each 12V/9AH, 240Vdc Free, 20 each 12V/9AH, 240										
Type Sealed Lead Acid Maintenance Free, 20 each 12V/7AH, 240Vdc Free, 20 each 12V/9AH, 240Vdc Fr				I		1				
Hot - Swap Batteries										
Recharge Time	,,									
*Extended Run Time Battery Cabinets (Refer To Run Time Chart)  OPTIONAL COMMUNICATION Cards and Shutdown Software  SC-SNMP1 SNMP/WEB Network Card & Shutdown Software  SC-Contact/EPO Dry Contact & EPO Card  SC-PK Parallel Cable kit contains two RJ45 cables and miscellaneous hardware for paralleling Note: (2) slots available; both cards can be used simultaneously; RS232 Port is disabled when communication cards are installed.  OPTIONAL EXTERNAL EXTENDED BATTERY CABINETS  Model SC-BP6000T-2 & -3 SC-BP1100T-2 & -3  Type Sealed Lead Acid Maintenance Free, -2: 40 each & -3: 60 each 12V/9AH, 240Vdc  Hot – Swap Cabinets Yes  Battery Connection Connector  Dimensions (HxWxD) 29.5" x 11.4" x 25.4"  Weight (lbs.) 326  OPTIONAL EXTENDED BATTERY PACK CHARGER  SC-CHG-1000 200 External Mount Battery Charger (1) charger per every (2) External Battery Packs Required  OPTIONAL PARALLEL DISTRIBUTION / BYPASS MODULE (Note 1)  SC-PKIT-2 Parallel Distribution Bypass 120Amp for (4) UPS Modules 10.5"W x 9.5"D x 3.7"H 11 lbs.  SC-PKIT-4 Parallel Distribution Bypass 120Amp for (4) UPS Modules 10.5"W x 16.4"D x 3.7"H 20 lbs.		+	4 hours		es	5 hours to 80%				
OPTIONAL COMMUNICATION Cards and Shutdown Software  SC-SNMP1 SNMP/WEB Network Card & Shutdown Software  SC-Contact/EPO Dry Contact & EPO Card  SC-PK Parallel Cable kit contains two RJ45 cables and miscellaneous hardware for paralleling Note: (2) slots available; both cards can be used simultaneously; RS232 Port is disabled when communication cards are installed.  OPTIONAL EXTERNAL EXTENDED BATTERY CABINETS  Model SC-BP6000T-2 & -3  Type Sealed Lead Acid Maintenance Free, -2: 40 each & -3: 60 each 12V/9AH, 240Vdc  Hot – Swap Cabinets  Battery Connection  Dimensions (HxWxD) Yes  Battery Connector  Dimensions (HxWxD) 29.5" x 11.4" x 25.4"  Weight (lbs.) 326  OPTIONAL EXTENDED BATTERY PACK CHARGER  SC-CHG-1000 1000W External Mount Battery Charger (1) charger per every (2) External Battery Packs Required 6.6"W x 11.1"D x 3.4"H 7 lbs.  OPTIONAL PARALLEL DISTRIBUTION PYPASS MODULE (Note 1)  SC-PKIT-2 Parallel Distribution Bypass 60Amp for (2) UPS Modules 10.5"W x 9.5"D x 3.7"H 11 lbs.  SC-PKIT-4 Parallel Distribution Bypass 120Amp for (4) UPS Modules 10.5"W x 16.4"D x 3.7"H 20 lbs.	*Extended Run Time									
SC-SNMP1 SNMP/WEB Network Card & Shutdown Software SC-Contact/EPO Dry Contact & EPO Card SC-PK Parallel Cable kit contains two RJ45 cables and miscellaneous hardware for paralleling Note: (2) slots available; both cards can be used simultaneously; RS232 Port is disabled when communication cards are installed.  OPTIONAL EXTERNAL EXTENDED BATTERY CABINETS Model SC-BP6000T-2 & -3  Scaled Lead Acid Maintenance Free, -2: 40 each & -3: 60 each 12V/9AH, 240Vdc  Hot – Swap Cabinets Battery Connection Dimensions (HXWXD) 29.5" x 11.4" x 25.4" Weight (lbs.)  OPTIONAL EXTENDED BATTERY PACK CHARGER SC-CHG-1000 1000W External Mount Battery Charger (1) charger per every (2) External Battery Packs Required  OPTIONAL PARALLEL DISTRIBUTION/BYPASS MODULE (Note 1) SC-PKIT-2 Parallel Distribution Bypass 120Amp for (2) UPS Modules 10.5"W x 16.4"D x 3.7"H 20 lbs.		<u> </u>		(Refer To Ru	n Time Chart)					
SC-PK Parallel Cable kit contains two RJ45 cables and miscellaneous hardware for paralleling Note: (2) slots available; both cards can be used simultaneously; RS232 Port is disabled when communication cards are installed.  OPTIONAL EXTERNAL EXTENDED BATTERY CABINETS  Model SC-BP6000T-2 & -3  Sealed Lead Acid Maintenance Free, -2: 40 each & -3: 60 each 12V/9AH, 240Vdc  Hot – Swap Cabinets  Battery Connection Dimensions (HxWxD) 29.5" x 11.4" x 25.4"  Weight (lbs.) 326  OPTIONAL EXTENDED BATTERY PACK CHARGER SC-CHG-1000 2100 External Mount Battery Charger (1) charger per every (2) External Battery Packs Required  OPTIONAL PARALLEL DISTRIBUTION / BYPASS MODULE (Note 1)  SC-PKIT-2 Parallel Distribution Bypass 120Amp for (4) UPS Modules 10.5"W x 16.4"D x 3.7"H 20 lbs.		ON Cards and Shutde		MER Notwork Co	ard & Chutdows	Software				
SC-PK Parallel Cable kit contains two RJ45 cables and miscellaneous hardware for paralleling Note: (2) slots available; both cards can be used simultaneously; RS232 Port is disabled when communication cards are installed.  OPTIONAL EXTERNAL EXTENDED BATTERY CABINETS  Model SC-BP6000T-2 & -3  Type Sealed Lead Acid Maintenance Free, -2: 40 each & -3: 60 each 12V/9AH, 240Vdc  Hot – Swap Cabinets  Battery Connection Dimensions (HxWxD)  Ves  Battery Connector Dimensions (HxWxD)  Veight (lbs.)  OPTIONAL EXTENDED BATTERY PACK CHARGER  SC-CHG-1000  CONDITIONAL EXTENDED BATTERY PACK CHARGER SC-CHG-1000  OPTIONAL PARALLEL DISTRIBUTION / BYPASS MODULE (Note 1)  SC-PKIT-2  Parallel Distribution Bypass 120Amp for (4) UPS Modules  10.5"W x 16.4"D x 3.7"H 11 lbs.  Parallel Distribution Bypass 120Amp for (4) UPS Modules  10.5"W x 16.4"D x 3.7"H 20 lbs.										
OPTIONAL EXTERNAL EXTENDED BATTERY CABINETS           Model         SC-BP6000T-2 & -3         SC-BP1100T-2 & -3           Type         Sealed Lead Acid Maintenance Free, -2: 40 each & -3: 60 each   12V/9AH, 240Vdc   -2: 40 each &	SC-PK	Parallel Cable kit contains two RJ45 cables and miscellaneous hardware for paralleling								
Model         SC-BP6000T-2 & -3         SC-BP1100T-2 & -3           Type         Sealed Lead Acid Maintenance Free, -2: 40 each & -3: 60 each   12V/9AH, 240Vdc   -2: 40 each &				232 Port is disabled	when communicat	ion cards are installed	d.			
Sealed Lead Acid Maintenance Free,				-3	9	SC-BP1100T-2 & -	-3			
Sc-PKIT-2   Parallel Distribution Bypass 60Amp for (2) UPS Modules   10.5"W x 9.5"D x 3.7"H   11 lbs.   Sc-PKIT-4   Parallel Distribution Bypass 120Amp for (4) UPS Modules   10.5"W x 16.4"D x 3.7"H   20 lbs.   20.5"W x 16.4"D x 3.7"H   20 lbs.		Sealed Le	ad Acid Maintena	ance Free,	Sealed L	ead Acid Maintena	ance Free,			
Battery Connection Connector  Dimensions (HxWxD) 29.5" x 11.4" x 25.4"  Weight (lbs.) 326  OPTIONAL EXTENDED BATTERY PACK CHARGER  SC-CHG-1000 1000W External Mount Battery Charger (1) charger per every (2) External Battery Packs Required 6.6"W x 11.1"D x 3.4"H 7 lbs.  OPTIONAL PARALLEL DISTRIBUTION / BYPASS MODULE (Note 1)  SC-PKIT-2 Parallel Distribution Bypass 60Amp for (2) UPS Modules 10.5"W x 9.5"D x 3.7"H 11 lbs.  SC-PKIT-4 Parallel Distribution Bypass 120Amp for (4) UPS Modules 10.5"W x 16.4"D x 3.7"H 20 lbs.	* *									
Dimensions (HxWxD)  Weight (lbs.)  OPTIONAL EXTENDED BATTERY PACK CHARGER  SC-CHG-1000  Portional Parallel Distribution Bypass 60Amp for (2) UPS Modules  SC-PKIT-2  Parallel Distribution Bypass 120Amp for (4) UPS Modules  10.5"W x 16.4"D x 3.7"H  11 lbs.										
OPTIONAL EXTENDED BATTERY PACK CHARGER  SC-CHG-1000 1000W External Mount Battery Charger (1) charger per every (2) External Battery Packs Required 6.6"W x 11.1"D x 3.4"H 7 lbs.  OPTIONAL PARALLEL DISTRIBUTION / BYPASS MODULE (Note 1)  SC-PKIT-2 Parallel Distribution Bypass 60Amp for (2) UPS Modules 10.5"W x 9.5"D x 3.7"H 11 lbs.  SC-PKIT-4 Parallel Distribution Bypass 120Amp for (4) UPS Modules 10.5"W x 16.4"D x 3.7"H 20 lbs.	Dimensions (HxWxD)	29.5" x 11.4" x 25.4"								
SC-CHG-1000 1000W External Mount Battery Charger (1) charger per every (2) External Battery Packs Required 6.6"W x 11.1"D x 3.4"H 7 lbs.  OPTIONAL PARALLEL DISTRIBUTION/BYPASS MODULE (Note 1)  SC-PKIT-2 Parallel Distribution Bypass 60Amp for (2) UPS Modules 10.5"W x 9.5"D x 3.7"H 11 lbs.  SC-PKIT-4 Parallel Distribution Bypass 120Amp for (4) UPS Modules 10.5"W x 16.4"D x 3.7"H 20 lbs.		Weight (lbs.) 326								
OPTIONAL PARALLEL DISTRIBUTION / BYPASS MODULE (Note 1)       SC-PKIT-2     Parallel Distribution Bypass 60Amp for (2) UPS Modules     10.5"W x 9.5"D x 3.7"H     11 lbs.       SC-PKIT-4     Parallel Distribution Bypass 120Amp for (4) UPS Modules     10.5"W x 16.4"D x 3.7"H     20 lbs.		1000W External Mount Battery Charger (1) charger per 6 6"W x 11 1"D x 3 4"H 7 lbs								
SC-PKIT-2 Parallel Distribution Bypass 60Amp for (2) UPS Modules 10.5"W x 9.5"D x 3.7"H 11 lbs. SC-PKIT-4 Parallel Distribution Bypass 120Amp for (4) UPS Modules 10.5"W x 16.4"D x 3.7"H 20 lbs.	OPTIONAL PARALLEL DIST									
	SC-PKIT-2									
	SC-PKIT-4 Notes:	Parallel Distribu	ition Bypass 120	Amp for (4) UPS	Modules 10	.5"W x 16.4"D x 3.	7"H 20 lbs.			

Notes:

1. Parallel configurations with 208/120Vac or 240/120Vac require an Output Transformer

2. Parallel for capacity configurations can use (1) battery system sized for the ultimate capacity.

Parallel for redundancy configurations require (1) battery system for each UPS.



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