ORDERING GUIDE



BPS48 Power Systems

Compact, High Density, Rack Mounted Power System





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Overview

The OmniOn Power™ BPS48 Power Systems are easy to setup and operate with a broad range of applications in outside plant and customer premise locations. The controller can be configured using either the front panel display, a laptop computer connected to the local port, or remotely using the Ethernet connection. Battery management features and options include slope thermal compensation, low voltage battery disconnect, battery high temperature alarm and battery shorted cell detection. Ideally suited for applications where space and durability in harsh environments are critical.

Shelf Options

The OmniOn Power™ BPS48 Power system is a -48Vdc compact power system that is as small as 5U up to 11RU (8.75 in./ 222 mm to 22.25in./565 mm) and mounts in either 19" or 23" wide frameworks. The BPS Power system is a front to rear airflow system consisting of rectifiers, controller, battery monitoring and integrated or external distribution options.

Rectifier Options

The OmniOn Power[™] BPS48 Power System offers a compact (42w/in³), 2000W, hot-pluggable rectifier with input voltages both in 120V and 208/240V nominal for worldwide 50/60Hz applications. The 19" shelf supports 5 rectifiers for 200A per shelf and the 23" shelf supports A six position rectifier shelf (300A) with external distribution panel accommodates up to 26 bullet breaker positions. The entire rectifier line is designed for operation in the temperature range -40° C to +75°C. The BPS Power System is NEBS Level 3 certified and Zone 4 rated.

Galaxy Pulsar* Plus Controller

The OmniOn Power[™] Galaxy Pulsar Plus is used throughout many of the OmniOn Power[™] DC Power products including BPS, Infinity, CPS, and GPS with the only differentiator being the form factor which is scaled to meet the nature of the application. The controller utilizes standard network management protocols allowing for advanced network supervision with SNMP communications to deliver extensive monitoring and control features with both local and remote access.

Advantages

- Compact power plant
- -48V up to 800A
- High availability wireless telecom applications
- Telecom service providers
- Wireless service providers
- Cable service providers
- Industrial and Rail communication systems
- Efficiency greater than 96%

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Routers/Switches

• Fiber in the Loop

Input

Transmission

Applications

Data Networks

Voltage Range

Input Current

Power Factor

Efficiency

Input Frequency

Total Harmonic Distortion

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Rectifier Specifications

Telecommunications Networks

Digital Subscriber Line (DSL)

Indoor/Outdoor Wireless

BP040 Rectifier	•
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- Compact 1RU form factor providing high power density (42 W/in³)
- Shallow depth to allow for systems to be installed in ETSI depth applications where plant depth is a concern.
- Plug and Play-installation of the rectifier in a shelf connected to a compatible system controller initializes all set up parameters automatically. No adjustments are needed.
- Extended service life parallel operation with automatic load sharing ensures that parallel units are not unduly stressed even when a unit fails or is removed.

95-265Vac

45 – 66Hz

13.2-11A @ 100-120V_{AC}

0.98 at>50% load

> 96% (Peak 96.2%)

<5% Moads over 50%

10.7-8.9A @ 200-240V_{AC}

- Monitoring / control the built in microprocessor controls and monitors all critical rectifier functions and communicates with the system controller using the built in Galaxy Protocol serial interface.
- Fail safe performance hot insertion capabilities allow for converter replacement without system shutdown; soft start and inrush current protection prevent nuisance tripping of upstream breakers.

Key Features

- Extended temperature range
- Front panel LED indicators
- 10 height, hi power density

BP040AC48TEZ

- 240/230/208/120V_{AC} Input
- Digital load sharing
- Hot pluggable
- RoHS compliant

Output	BP040AC48TEZ
Voltage Adjust Range	42-58V _{DC}
Voltage Nominal	54.5V
Regulation (with controller)	±0.05%
Ripple	100mVrms
Output Current	41.7A @48V (Maximum)
• High-Line	37A @54.5V
• Low-Line	22A @54.5V
Heat Dissipation @max output	70W / 238 BTU/hr.







Pulsar Plus Controller

The OmniOn Power[™] Pulsar Plus family of controllers provides system monitoring and control features for BPS, Infinity, CP, and other power systems. These controllers monitor and control system components including rectifiers, converters, and distribution modules via a multi-drop RS485 digital communications bus. System status, parameters, settings, and alarm thresholds can be viewed and configured from the controller's front panel display. Assignment and configuration of alarm inputs and output relays can be performed from a laptop computer connected to a local RS-232 or Ethernet port, or by remote access is through a secure network connection to the World Wide Web (internet) or your enterprise network (intranet). An optional modem is also available.

This controller utilizes standard network management protocols allowing for advanced network supervision. The OmniOn Power Galaxy Manager* software is the centralized visibility and control component of a comprehensive power management system designed to meet engineering, operations and maintenance needs. The Galaxy Manager client-server architecture enables remote access to system controllers across the power network, featuring ECO Priority advanced monitoring features which provides detailed energy source analysis to help better customize your renewable energy resources.



Applications

- Telecommunications Networks
- Digital Subscriber Line (DSL)
- Indoor/Outdoor Wireless
- Routers/Switches
- Fiber in the Loop

• Transmission

- Off-Grid/On-Grid Renewable Energy Sites
- Data Networks
- PBX

Key Features

Remote Access and Features

- Integrated 10/100Base-T Ethernet Network
 - TCP/IP with IPV6 Capability
 - SNMP V3 for management
 - SMTP for email
 - Telnet for command line interface
 - DHCP for plug-n-play
 - FTPS for rapid backup and upgrades
 - HTTPS for standard web pages and browsers
 - Compatible with Galaxy Manager and other management packages
 - Shielded RJ-45 interface referenced to chassis ground
- Password protected security levels: User, Super-User, Administrator for all access

- Ground-referenced RS232 system port
- ANSI T1.317 command-line interface
- Modem access support
 - Remote via external modem
 - Callback security
- EasyView2, Windows-based GUI software for local terminal or Modem access
- ECO Priority controls and features
 - Advanced generator controls to help minimize fuel consumption for off grid applications
 - ECO Energy Management allowing for non-ECO sources outputs to be minimized while ECO resources are available
 - Source and load trend logging



Key Features (Continued)

Standard System Features

- Monitor and control of more than 40 connected devices
 - Robust RS485 system bus
- Standard and user defined alarms
 - Alarm test
 - Assignable alarm severity: Critical, Major, Minor, Warning, and record-only
 - 10 alarm relays (7 user assigned)
- Rectifier management features
 - Automatic rectifier restart
 - Active Rectifier Management ARM (energy efficiency)
 - Remote rectifier (on/off)
 - Reserve Operation
 - Automatic rectifier sequence control
 - N + X redundancy check
- Multiple Low Voltage Load and Low Voltage Battery Disconnect thresholds
- Configuration, statistics, and history
 - · All stored in non-volatile memory
 - Remote/local backup and restore of configuration data
- Industry standard defaults
 - Customer specific configuration available
- Remote/local software upgrade
- Basic, busy hour, and trend statistics
- Detailed event history
- User defined events and derived channels

Standard Battery Management Features

- Float/boost mode control
 - Manual boost
 - Manual timed boost locally, TI.317, and remotely initiated
 - Auto boost terminated by time or current
- Battery discharge testing
 - Manual (local/remote)
 - Periodic

- Plant Battery Test (PBT) input driven
- Configurable threshold or 20% algorithm
- Graphical discharge data
- Rectifiers on-line during test
- Slope thermal compensation
 - High temperature
 - Low temperature
 - Step temperature
 - STC Enable/Disable, low temperature Enable/ Disable
 - Configurable mV/°C slopes
- State of charge indication
- High temperature disconnect setting
- Reserve-time prediction
- Recharge current limit
- Emergency Power-Off input

Integrated Monitoring Inputs/Outputs

- System plant voltage (accuracy ±0.5%, resolution 0.01V)
- One system shunt (accuracy ±0.5% full scale, resolution 1A)
 - Battery or load
 - Mounted in the return side of DC bus
- Up to 15 binary inputs
 - 6 inputs close/open to battery
 - 9 input close/open to return
 - User assignable
- Up to 7 Form-C output alarms (60VDC @ .5A)
 - User assignable
- 1-Wire[™] bus devices
 - Up to 16 temperature probes (QS873)
 - Up to 6 mid-string monitors (ES771)



Galaxy Manager Compatible

- Centralized web server and database with multiple user access to live or managed data with drill down to problem details
- Monitor and control of more than 40 connected devices
- Management information from polling or alarms received from alarm traps from multiple sites are available on one screen via the inter/intranet

- Trend user selected data over time
- Automatic or manual report generation
- Standard engineering tools like reserve time calculators and cable voltage drop analyzer

Specifications

GENERAL ±24 Vdc, ±48 Vdc **Operating Voltage** (Range: ±18 to ±60 Vdc) -54.48V 100A Less than 7W **Input Power** -54.48V, 100A HARGE -40°C to +75°C (-40°F to 167°F) **Operating Temperature Range** Menu -54.48V, 100A HARGE **Operating Relative Humidity** 0 - 95% (non-condensing) Red Menu -40°C to +85°C (-40°F to 185°F) Storage Temperature Range Float Amber No Alarms Menu **Physical Specifications** Sizes vary by packaging option Green 8-line by 40-character with alarm Display context sensitive backlit LCD

SAFETY AND STANDARDS COMPLIANCE		
NEBs	Evaluated by independent NRTL test lab to Telcordia GR63, Issue 3 and GR1089-CORE, Issue 6	
Safety	ANSI/UL60950-1-2014 and CAN/CSA C22.2 No. 60950-1-07, Second Edition + A2:2014 (MOD), dated October 14, 2014	
RoHS	Compliant to RoHS II EU Directive 2002/95/EC/RoHS 6/6	
EMC	European Directive 2014/30/EU; EN55032, Class A, EN55035; FCC, Class A; GR1089-CORE, Issue 6	

AGENCY CERTIFICATIONS		
NEBs Level 3	Evaluated by independent NRTL test lab to Telcordia GR63, Issue 3 and GR1089-CORE, Issue 6	
ЕМС	European Directive 2014/30/EU; EN55032, (CISPR32) Class A, EN55035 (CISPR24)	
Safety	Underwriters Laboratories (UL) Listed per Subject Letter 1801: Power Distribution Center for (CSA 22.2 950): Safety of Information Technology Equipment	



BPS System

The OmniOn Power™ BPS power system may be configured as a 19" or 23" rack mounted solution supporting a -48Vdc bus. The BPS includes dedicated 48V, 48V Battery, and return buses. The primary voltage capacity is 800A at 48V. The Battery bus is rated to support the full output current at 40Vdc on the bus. The system includes low voltage battery disconnect option. A low voltage load disconnect option can be used on second distribution panel for load shedding to maintain critical loads. Systems can be shipped alone or packaged into an earthquake Zone 4 frame with optional battery trays.

Applications

- Wireless Telecom Networks
- Indoor/Outdoor Wireless
- Cable TV Networks
- Transmission and Regen Sites
- Data Networks
- Customer Point of Presence

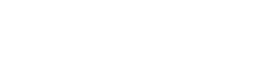
Features

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- Compact BP series rectifier for high density power in a shallow mounting depth.
- Digital load sharing.
- Back-bias powered system and rectifiers controllers to ensure peak plant operation throughout the plants operation.
- DC Distribution with each position selectable between load and battery breakers.
- Temperature hardened harsh environments. (-40°C to +75°C).
- Compact size: Base System with 1 power shelf occupies 5 RU (8.75 in) of 19" or 23" rack space (14.5"-24" depth).

- Frame options-Factory installed in 7ft or 42" tall, 19" or 23" wide frame or field installed in user supplied frame.
- Optional battery earthquake zone 4 rated battery trays with either quick connections or integrated battery breakers.
- Bulk Battery connections, LVBD and LVLD options.
- Plug-N-Play Pulsar Plus controller with Web based interface for local and remote (LAN) access.
- Distribution options include 3A-300A bullet style circuit breakers, and GMT fuses.
- RoHS 10 Compliant





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Specifications (Continued)

INPUT	MIN	ТҮР	МАХ
Voltage Range			
· High-Line	175Vac	220Vac	265Vac
· Low-Line	85Vac	110Vac	140Vac
Frequency	45Hz	60Hz	66Hz
Power Factor	98%	99.5%	
Total Harmonic Distortion			5%

PRIMARY OUTPUT		
Nominal Voltage	-48Vdc	
Output Current	800A	
Vo Setpoint (factory)	-54.5Vdc±1%	
Vo Range	-42Vdc to -58Vdc	
Regulation	±0.5%	

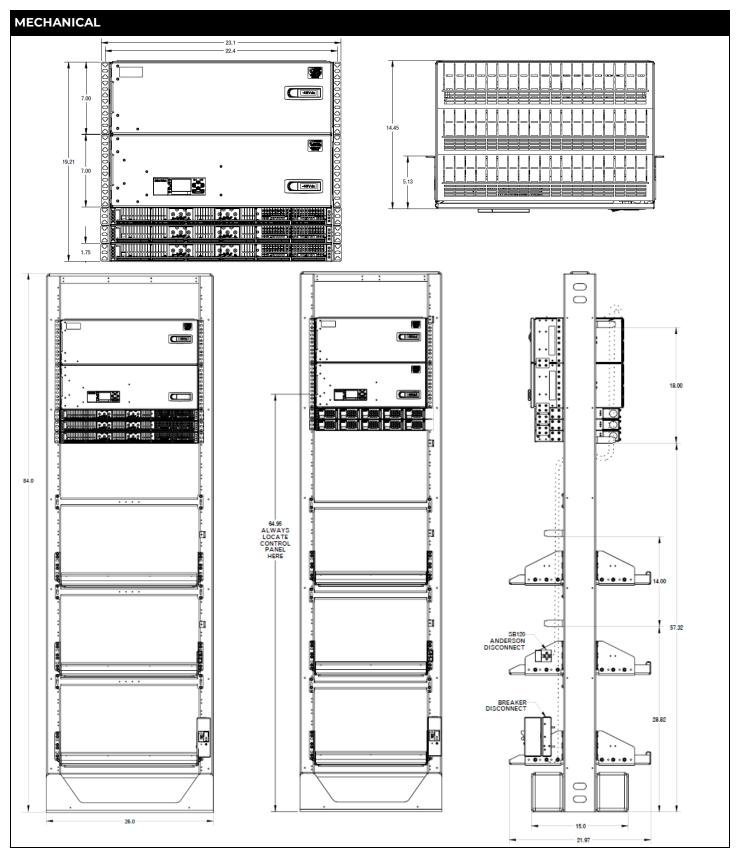
ENVIRONMENTAL		
Operating Temperature	-40°C to +75°C (-40°F to 167°F)	
Storage Temperature	-40°C to +85°C (-40°F to 185°F)	
Humidity	95% non-condensing	
Altitude	4000M (for altitudes above 2000M, peak operating temperature de-rates 0.656° C /100M; 4000M peak temperature rating is 62°C)	

SAFETY AND STANDARDS COMPLIANCE		
NEBs	Evaluated by independent NRTL test lab to Telcordia GR63-CORE and GR1089-CORE [Level 3] ISSUE 7	
Safety	ANSI/UL62368-1 and CAN/CSA C22.2 No. 62638-1, IEC62638-1	
RoHS	Compliant to 2011/65/EU and amended Directive (EU) 2015/863	
ЕМС	European Directive 2014/30/EU; EN55032, Class A; EN55035; FCC, Class A; GR1089-CORE ISSUE 7	

AGENCY CERTIFICATIONS		
CSA	ANSI/UL62638-1 and CAN/CSA C22.2 No. 62638-1	
ЕМІ/ЕМС	European Directive 2014/30/EU; EN55032 (CISPR22) Class A; EN55035 (CISPR35)	
NEBS LEVEL 3	GR1089-CORE Special equipment room cooling may be needed - heat dissipation exceeds values of GR-63 Table 4-5	



Specifications (Continued)

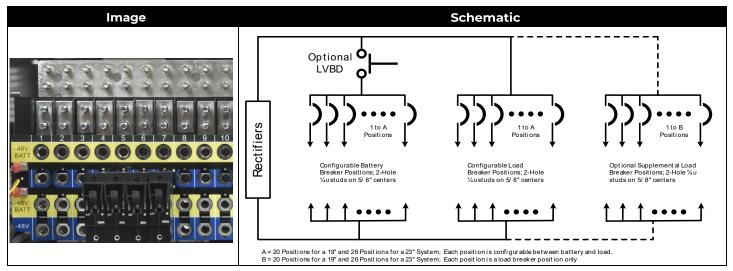




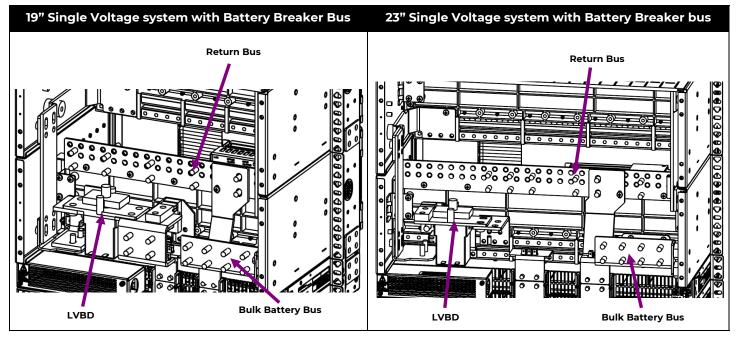
Specifications (Continued)

AC Input	Description	
	Individual Feed, Terminal Strip, 3/4" Conduit or Cord Grip	
AC5		

DC Distribution



Bulk Battery Connections



Product Documentation

CC848815341Advanced Features User Guide for the Pulsar Plus Controller, 167-792	
8600481128P	BPS -48V Power System Quick Start Guide



Step 1: Select the Base Power System

Single Voltage System -48V Battery Breaker Input, 19" Width

Output Rating	Description	AC Input	LVD	Frame	Ordering Code	Model	Picture
-48V	200A BPS Power system equipped with 5 rectifier positions	AC5	No	None	1600469909A	BPS48-19-AC5-PS5-DC1E	
200A	and 20 distribution positions System - 5RU	AC5	Yes	None	1600469914A	BPS48-19-AC5-PS5-DC1E -LVBD	
-48V	400A BPS Power system equipped with 10 rectifier positions	AC5	No	None	1600469911A	BPS48-19-AC5-PS10- DC1E	
400A	and 20 distribution positions System - 6RU	AC5	Yes	None	1600469915A	BPS48-19-AC5-PS10- DC1E-LVBD	
-48V	400A BPS Power system equipped with 10 rectifier positions	AC5	No	None	1600469912A	BPS48-19-AC5-PS10- DC2E	
400A	and 40 distribution positions System - 10RU	AC5	Yes	None	1600469916A	BPS48-19-AC5-PS10- DC2E-LVBD	
-48V	600A BPS Power system equipped with 15 rectifier positions	AC5	No	None	1600469913A	BPS48-19-AC5-PS15- DC2E	
-40 V 600A	and 40 distribution positions System - 11RU	AC5	Yes	None	1600469917A	BPS48-19-AC5-PS15- DC2E-LVBD	

* Integrated MODBUS adapter included and attached to the system controller



Step 1: Select the Base Power System (Continued)

Single Voltage System -48V Battery Breaker Input, 23" Width

Output Rating	Description	AC Input	LVD	Frame	Ordering Code	Model	Picture
-48V	240A BPS Power system equipped with 6 rectifier positions	AC5	No	None	1600469902A	BPS48-23-AC5-PS6- DC1E	
240A	and 26 distribution positions System - 5RU	AC5	Yes	None	1600469904A	BPS48-23-AC5-PS6- DC1E-LVBD	
-48V	480A BPS Power system equipped with 12 rectifier positions	AC5	No	None	1600469903A	BPS48-23-AC5-PS12- DC1E	
480A	and 26 distribution positions System - 6RU	AC5	Yes	None	1600469905A	BPS48-23-AC5-PS12- DC1E-LVBD	
-48V	480A BPS Power system equipped with 12 rectifier positions and	AC5	No	None	1600469906A	BPS48-23-AC5-PS12- DC2E	
480A	52 distribution positions System - 10RU	AC5	Yes	None	1600469907A	BPS48-23-AC5-PS12- DC2E-LVBD	
-48V	720A BPS Power system equipped with 18 rectifier positions and	AC5	No	None	1600469908A	BPS48-23-AC5-PS18- DC2E	
720A	52 distribution positions System - 11RU	AC5	Yes	None	1600469910A	BPS48-23-AC5-PS18- DC2E-LVBD	
-48V 480A	480A BPS Power system equipped with 12 rectifier positions and 26 distribution positions System mounted in a 7' frame. Frame is equipped with 3, 24" deep Battery trays prewired to the system with 2/0 wiring and 200A shelf mounted breakers-84" (Batteries not included)	AC5	No	Yes	1600481369A	BPS48-23-AC5-PS12- DC1E-7FTR-3BT3	



Step 2: Select Expansion Kits and AC Input Accessories

Battery Bus Extension Kits - Used for expanding battery bus connections in single voltage systems

Ordering Code	Description	System Combability	
850022254	Battery Lug Connection Bus Kit	All Systems	

Supplemental Rectifier Shelf Kits - Used for Installing Additional Rectifier Shelves to an BPS System in the Field

Ordering Code	Description	Notes
1600449176A	BPS AC5 19in Supplemental Shelf Kit	Each kit includes: Rectifier shelf with mounting
1600470478A	BPS AC5 23in Supplemental Shelf Kit	hardware, busbar interconnects with hardware and inter-shelf communication cable

AC Input Adapters

Ordering Code	Description	Notes
	BPS AC5 6 TO 2 AC INPUT ADAPTER KIT	
1600483880A	Kit includes 1 adapter for 19" or 23" shelves	
	(Input for 8 or 6AWG)	
	BPS AC5 6 TO 3 AC INPUT ADPATER KIT	8-9-9- 000 m
1600483882A	Kit includes 1 adapter for 19" or 23" to convert 5 or 6 inputs to 3 inputs	
	(Input for 10 to 8AWG)	

IEC Input Cables

Ordering Code	Description	Picture
	SJT Cord, 12AWG, 8ft (Min.), 3 conductors, 105°C	UNE, BLACK
8600481880P	Termination: Shelf End IEC C19 /C21	
	Other End: NEMA 5-20P, 20A, 125V	NUTRAL WHITE
	SJT Cord, 12AWG, 8ft (Min.), 3 conductors, 105°C	- NEUTRAL, WHITE
8600481881P	Termination: Shelf End IEC C19 /C21	
	Other End: NEMA 6-20P, 20A, 250V	
	SJT Cord, 12AWG, 8ft (Min.), 3 conductors, 105°C	LATTY GROUPS, GREEN
8600481882P	Termination: Shelf End IEC C19 /C21	
	Other End: NEMA L6-20P, 20A, 250V	



Step 3: Select Rectifier and Converter Modules

Rectifier Modules

BPS rectifiers are designed to operate in all BPS based power systems. They are designed and qualified to operate 40°C to +55°C with extended operation to +75°C. The 48V rectifiers are programmable from 42 - 58Vout, whereas the 24V rectifiers are programmable from 21 - 29Vout. All rectifiers of the same output voltage type will operate in parallel and load share based on the percentage of load capacity of each rectifier, ensuring that no one rectifier is loaded more than others.

Ordering Code	Description	Input	Output	Float	Max	Picture
1600420226A		95 - 140Vac	1200W	22A	24A (50V)	
R	BP040AC48ATEZ	175 - 305Vac	2000W	37A	40A (50V)	
\sim	BP040AC40ATEZ	Input Current		12A - 8.9A		
		Heat Release	98 Watts	334 E	3TU/hr.	1



Step 4: Distribution Components

Bullet Style Load Circuit Breakers

Infinity distribution panels support plug-in (bullet style) breakers modules. Larger breakers can be 2 or even 3 poles. The multi-pole breakers require output bus bar adapters, with returns either using the battery return bus or additional adapters connected to the load return bus.

Ordering Code	Amperage	CB Positions	Min Wire Gauge	Picture
407998137	3	1	10	
407998145	5]	10	
407998152	10	1	10	
407998160	15	1	10	
407998178	16	1	10	
407998186	20	1	10	
407998194	25	1	10	
407998202	30	1	10	
408213486	40	1	10	
407998210	45	1	8	-
407998228	50	1	8	-
407998236	60	1	6	-
407998244	70	1	6	
407998251	80	1	4	
407998269	90	1	4	
407998277	100	1	2	
CC848808551	100	2	2	
408185353	125	2	2	
408185346	150	2	1	
408544076	200	2	3/0	
408564941	200	3	3/0	
408573975	225	3	3/0	
408535752	250	3	4/0	
450046922	300	3	4/0	
CC848756916	1⁄4"-20 on 5/8		A breakers; used for r 2 pole breaker to return lugs)	
850021775	3/8" on 1" lu	r bus for 100-150/ ugs (order 2 per 2 modate load and		
CC848756924	3/8" on 1" lugs	r bus for 200-250 off-center conne accommodate l		
850021955	3/8" on 1" lugs;	center connectio	A breakers; used for n (order 2 per 3 pole d and return lugs)	



Step 4: Distribution Components (Continued)

TPS Fuse and Fuse Holders

Ordering Code	Amperage	Picture
406700567	3	
406700583	5	
406700591	6	
406700609	10	
406700617	15	
406700625	20	
406700633	25	
406700641	30	
406700658	40	
406700674	50	
406700682	60	
406700690	70	
CC408618020	80	
CC408618037	90	
CC408618045	100	
CC408618061	125 (Max of 3, 125A fuses per side. A Space must be left between fuses)	
407845197	0.18 Alarm Fuse	
406473959	Bullet Fuse Holder, TFD-101-011-09 (Alarm on Removal or Blown Fuse)	
CC109103157	Bullet Fuse Holder, TFD-101-011-10 (Alarm on Removal or Blown Fuse)	a. s.s.

Bullet Style GMT Fuse Holders and GMT Fuses

Ordering Code	Amperage	Picture
405006222	0.25	
3150439	0.5	
405673146	1.33	
405181983	2	
406976985	3	
406159061	5	
405725433	7.5	
406159236	10	
407845197	12	
406473959	15	
CC109103157	6-pos GMT Bullet Fuse Holder (Requires 2 bullet positions) Note: Max Fuse Load is 12A	2 Carlos
1600316837A	10-pos GMT Bullet Fuse Holder (Requires 3 bullet positions) Note: Max Fuse Load is 15A	
408515823	Fuse Puller	



Step 4: Select Distribution Component (Continued)

Bullet Battery Circuit Breakers (Yellow Handle) (Alarms on Mid-Trip and in Off Position)

Ordering Code	Amperage	Picture
CC408612758	30	
CC408612766	40	
CC408612774	45	
CC408574370	50	2.3
408560123	60	
CC408574387	70	
CC408574395	100	
CC408574404	125 (2-pole)	No.
CC408574412	150 (2-pole)	
CC408574420	200 (2-pole)	
CC408645295	250A (3-pole)	
CC109106548	100A battery bullet bus strap (substitute for battery breaker)	



Step 5: Select Alarm Output and Input Cables

Ordering Code	Description	Picture
CC848890153	5ft Auxiliary input alarm cable for Pulsar Plus Controller	
CC848865980	15ft Auxiliary input alarm cable for Pulsar Plus Controller	
CC848817651	50ft Auxiliary input alarm cable for Pulsar Plus Controller	
CC848817668	150ft Auxiliary input alarm cable for Pulsar Plus Controller	
CC109157442	15ft alarm output cable for Pulsar Plus Controller	
CC848817635	50ft alarm output cable for Pulsar Plus Controller	
CC848817643	150ft alarm output cable for Pulsar Plus Controller	

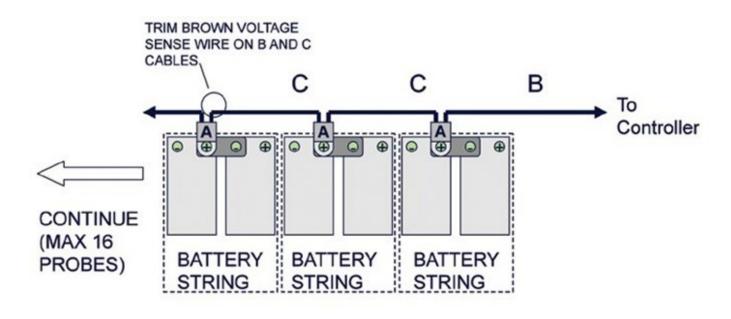
Step 6: Select Battery Monitoring

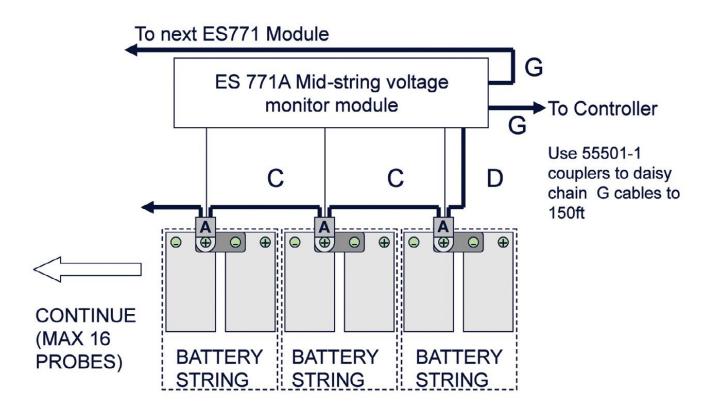
Ordering Code	Description	Application	Picture
CC109142980	QS873A Thermal Probe	(A)	
150026698	QS873B Ambient Probe	(A)	
CC848817024	10 ft wire set	(B: thermal probe to controller)	
CC109157434	20 ft wire set	(B: thermal probe to controller)	
850052679	40 ft wire set	(B: thermal probe to controller)	
CC848822560	1 ft wire set	(C: thermal probe to thermal probe)	
848719803	5 ft wire set	(C: thermal probe to thermal probe)	
CC848822321	10 ft wire set	(C: thermal probe to thermal probe)	
850027334	20 ft wire set	(C: thermal probe to thermal probe)	
7000253598A	30 ft wire set	(C: thermal probe to thermal probe)	
8600089209P	40 ft wire set	(C: thermal probe to thermal probe)	
108958422	ES771A Battery Voltage Monitor Card		
CC848791517	2-1/2 ft. wire set	(D: ES771A to thermal probe)	0
CC848797290	6 ft. wire set	(D: ES771A to thermal probe)	
848719829	10 ft. wire set	(D: ES771A to thermal probe)	69
CC848791500	4 ft. wire set	(G:ES771A to ES771A or controller)	
848652947	10 ft wire set	(G:ES771A to ES771A or controller)	
555052-1	In Line Coupler	(G: extension coupler)	
Temperature probes are needed for battery monitoring . They are connected to each battery or battery string to			

provide slope thermal compensation and temperature alarms



Step 6: Select Battery Monitoring (Continued)







Reliability

- Distributed fault tolerance
- Proven field performance
- Controller continuity Intelligence
- Industry leading controller features
- Ethernet interface for remote access
- Centralized network management Investment Protection
- Module Compatibility
- Power Shelf Growth
- Renewable Energy Ready
- Flexible Upgrade Options On Time Delivery
- Standard building blocks
- 4 6 week availability
- 24/7 technical support

Management Visibility

Galaxy Manager* software is the centralized visibility and control component of a comprehensive power management system designed to meet engineering, operations and maintenance needs. The Galaxy Manager client-server architecture enables remote access to system controllers across the power network.

- Dashboard display with one-click access to management information database
- Trend analysis
- Scheduled or on demand reports
- Fault, configuration, asset, and performance management

Training

OmniOn Power™ offers on-site and classroom training options based on certification curriculum. Technical training can be tailored to individual customer needs. Training enables customers and partners to more effectively manage and support the power infrastructure. We have built our training program on practical learning objectives that are relevant to specific technologies or infrastructure design objectives.

Service & Support

OmniOn Power[™] field service and support personnel are trusted advisors to our customers always available to answer questions and help with any project, large or small. Our certified professional services team consists of experts in every aspect of power conversion with the resources and experience to handle large turnkey projects along with custom approaches to complex challenges. Proven systems engineering and installation best practices are designed to safely deliver results that exceed our customers' expectations.

Warranty

OmniOn Power[™] is committed to providing quality products and solutions. We have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired or replaced as soon as possible.

For full warranty terms and conditions please go to

omnionpower.com



OmniOn Power Inc.

601 Shiloh Rd. Plano, TX USA

omnionpower.com

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