

Backup Power and Control **SOLUTION GUIDE**

OUR RESOURCES ARE YOUR SOLUTION



CONNECTRONICS

Distributors of  *Wireless and Connectivity Products*

48 VDC BACKUP POWER SYSTEMS



- Modular design includes base unit and up to 4 charging modules, batteries & interconnect cables
- Includes battery breaker; Optional load breaker is available for connection to breaker panels
- Space-saving 19" / 23" rackmount design (1U / 1.75" high x 10" deep); -40° to +75°C temperature
- Includes Telcom-Grade SNMP controller with web browser interface & display
- Includes 10-position fused load output terminals (order GMT fuses separately)
- Includes low voltage disconnect to protect batteries
- 115VAC / 220VAC dual power cord feed

Backup System Run Time (Hours) vs. Output Load Currents

48VDC (Amps)	18-6235-XX			18-6236-XX		18-6237-XX		18-6238-XX			
	-30	-56	-75	-56	-75	-75	-98	-75	-98	-130	-195
1	24.9	47.0	62.7	47.0	62.7	62.7	81.6	62.7	81.6	106.8	163.5
2	12.7	24.3	32.5	24.3	32.5	32.5	42.4	32.5	42.4	55.6	85.2
3	8.4	16.3	21.9	16.3	21.9	21.9	28.6	21.9	28.6	37.5	57.5
5	4.8	9.6	--	9.6	13.1	13.1	17.1	13.1	17.1	22.6	34.8
8	--	--	--	5.8	8.0	8.0	10.6	8.0	10.6	14.0	21.7
10	--	--	--	4.5	6.3	6.3	8.3	6.3	8.3	11.1	17.3
12	--	--	--	3.6	5.1	5.1	6.8	5.1	6.8	9.2	14.3
15	--	--	--	2.7	--	3.9	5.3	3.9	5.3	7.2	11.4
20	--	--	--	--	--	2.7	3.8	2.7	3.8	5.2	8.4

- 18-6235-30 Complete 48VDC Backup Power System with One Charger Module
 • Provides up to 3.9 hours at 6 Amp load (refer to Runtime Chart)
 • Includes 4 batteries: 104 lbs. total weight
- 18-6235-56 Complete 48VDC Backup Power System with One Charger Module
 • Provides up to 7.9 hours at 6 Amp load (refer to Runtime Chart)
 • Includes 4 batteries: 220 lbs. total weight
- 18-6235-75 Complete 48VDC Backup Power System with One Charger Module
 • Provides up to 16.4 hours at 6 Amp load (refer to Runtime Chart)
 • Includes 4 batteries: 288 lbs. total weight
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- 18-6236-56 Complete 48VDC Backup Power System with Two Charger Modules
 • Provides up to 2.7 hours at 15 Amp load (refer to Runtime Chart)
 • Includes 4 batteries: 220 lbs. total weight
- 18-6236-75 Complete 48VDC Backup Power System with Two Charger Modules
 • Provides up to 5.1 hours at 15 Amp load (refer to Runtime Chart)
 • Includes 4 batteries: 288 lbs. total weight
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- 18-6237-75 Complete 48VDC Backup Power System with Three Charger Modules
 • Provides up to 2.7 hours at 20 Amp load (refer to Runtime Chart)
 • Includes 4 batteries: 288 lbs. total weight
- 18-6237-98 Complete 48VDC Backup Power System with Three Charger Modules
 • Provides up to 3.8 hours at 20 Amp load (refer to Runtime Chart)
 • Includes 4 batteries: 392 lbs. total weight
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- 18-6238-75 Complete 48VDC Backup Power System with Four Charger Modules
 • Provides up to 2.7 hours at 20 Amp load (refer to Runtime Chart)
 • Includes 4 batteries: 288 lbs. total weight
- 18-6238-98 Complete 48VDC Backup Power System with Four Charger Modules
 • Provides up to 3.8 hours at 20 Amp load (refer to Runtime Chart)
 • Includes 4 batteries: 392 lbs. total weight
- 18-6238-130 Complete 48VDC Backup Power System with Four Charger Modules
 • Provides up to 5.2 hours at 20 Amp load (refer to Runtime Chart)
 • Includes 4 batteries: 480 lbs. total weight
- 18-6238-195 Complete 48VDC Backup Power System with Four Charger Modules
 • Provides up to 8.4 hours at 20 Amp load (refer to Runtime Chart)
 • Includes 8 batteries: 784 lbs. total weight
- 18-6250-xx GMT Fuse for Backup Power Systems (color coded)
 -1 1 Amp, Gray -3 3 Amp, Blue -7.5 7.5 Amp, Black/White
 -2 2 Amp, Orange -5 5 Amp, Green -10 10 Amp Red/White
- 18-6207-xx Optional Load Breaker for Connecting Backup Power System to Breaker Panels
 -30 30 Amp Breaker -40 40 Amp Breaker -50 50 Amp Breaker

BREAKER PANELS & BREAKERS

- 18-6300 8-Position Breaker Panel, 100 Amp Max. capacity
- 30 Amp max. breaker per position
 - Includes LED indicator & breaker trip/off relay output alarm
 - 19" rack mount, 1U
 - Order breakers and blanks separately (see below)



- 18-6301 12-Position Dual Bar Breaker Panel, 100 Amp Max. capacity per bus
- 30 Amp max. breaker per position
 - Includes LED indicator & breaker trip/off relay output alarm
 - 19" rack mount, 1U
 - Order breakers and blanks separately (see below)
 - Shown with optional breakers installed



- 18-6313 Blank Cover to close any unused position

- 18-6312-xx Circuit Breaker Insert for 18-6300 & 18-6301 Breaker Panels

-5 ½ Amp Breaker	-5 5 Amp Breaker	-20 20 Amp Breaker
-1 1 Amp Breaker	-7.5 7.5 Amp Breaker	-25 25 Amp Breaker
-2 2 Amp Breaker	-10 10 Amp Breaker	-30 30 Amp Breaker
-3 3 Amp Breaker	-15 15 Amp Breaker	



MONITOR & CONTROL SOLUTIONS

- 19-3800 RPRM1 Remote Power Reboot & Monitor System
- Install in remote enclosures
 - Independently control/reboot three 10Amp circuits
 - Monitor 115VAC power, temperature, 48VDC status
 - Integrates with third party SNMP software, sends email alarms
 - Powered by 115VAC (active) or 48VDC (standby)
 - 19" rack mountable, 2U, 3.5" high



- 19-3700 Site Boss 571 Remote Enclosure Monitor & Control
- Acts as power distribution unit with 9 fused outputs (requires GMT fuses)
 - On-board temperature sensor, many optional sensors available
 - Remote cellular option for monitoring/reboot to avoid a truck roll
 - Supports on-board scripting language to autonomously manage power sequencing/power shutdown
 - -40° to +55°C operating temperature



- 19-3702-2 Site Boss 550-2 Remote Enclosure Monitor with Scripting
 19-3702-6 Site Boss 550-6 Remote Enclosure Monitor with Scripting
 19-3703-2 Site Boss 530-2 Remote Enclosure Monitor without Scripting
 19-3703-6 Site Boss 530-6 Remote Enclosure Monitor without Scripting
- Includes 2 or 6 expansion ports for many options
 - Remote cellular option available for enhanced connectivity
 - Expansion cards support voltage/current inputs, relay outputs
 - Monitor AC/DC sources, fuel levels, HVAC systems, security systems
 - Event data logging; send email or SNMP trap alarms
 - 0° to 40° standard, -40° to +60°C optional temperature



- 19-3705 Site Boss 220 Remote Enclosure Monitor
- Supports 8 on-board contact inputs
 - Send email or SNMP trap alarms
 - Optional temperature/humidity probe
 - Optional I/O configurations: voltage/current, relay outputs
 - Small size 4.5" x 5.75" x 1.75", -40° to +65° C operating temperature



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