

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
-
- 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
-
- 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
-
- 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

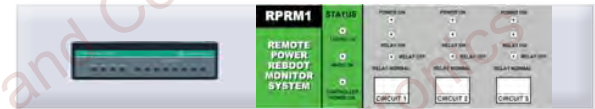
- 18-6312-xx Circuit Breaker Insert for 18-6300 & 18-6301 Breaker Panels

-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



World-Wide Vendor Partners

CERAGON

Xalt

proxim
wireless

NOMADIX™

ELFIQ
NETWORKS

Eband
communications

Siklu

TOSHIBA

AIRAYA

StrixSYSTEMS

AvaLAN
WIRELESS

RADIO WAVES
THE LEADER IN MICROWAVE
ANTENNA INNOVATION

DOB
UNLIMITED

RFS

Icron

CyberPower™

mWAVE

PRAXSYM
PRACTICAL SYSTEMS ENGINEERING

PCTEL
simplifying mobility

MAXRAD

LARSEN
ANTENNAS

MOBILE MARK®
COMMUNICATIONS ANTENNAS

Laird
TECHNOLOGIES®

mp antenna

MARS ANTENNAS & RF SYSTEMS LTD.

WiFi+

ICC™

pendulum
Incorporating XL Microwave

NELLO
CORPORATION

Elk River, Inc.

OUR RESOURCES ARE YOUR SOLUTION



CONNECTRONICS
Distributors of
Wireless and Connectivity Products

234 33rd Street Dr SE, Cedar Rapids, IA 52403
PH: (888) 245-8363 or (319) 366-4971
www.connectronics.com | sales@connectronics.com