

BATTERY MANAGEMENT SYSTEM Master – Slave configuration



Features:

- robust and small design
- Master + max. 32 Slave combination (max. 333 cells)
- single cell voltage measurement (0.1 – 5.0V), resolution: 1 mV)
- single cell – under/over voltage protection
- single cell internal resistance measurement
- SOC and SOH calculation
- over temperature protection (up to 8 temperature sensors per Slave)
- under temperature charging protection
- positive cell balancing up to 2.0 A per cell with 100 mV resolution
- shunt current measurement (resolution: 10 mA @ 10, 100 A)
- 8 galvanically isolated user defined multi purpose digital inputs/outputs
- 4 programmable relays (normally open and normally closed options)
- 12 V galvanically isolated supply (0.5 – 10 A)
- galvanically isolated RS-485 and CAN communication protocol
- single USB + busbar interface
- internal battery powered real time clock (RTC)
- PC user interface for changing the settings and data logging (optional accessory)
- LCD touch display for monitoring (optional accessory)
- battery test switch
- auto test autonomy

4 7 Slave Manual

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4 7 Slave Manual:

Hydrographic Manual Melvin J. Umbach, 1980 **Manuals Combined: 150+ U.S. Army Navy Air Force Marine Corps Generator Engine MEP APU Operator, Repair And Parts Manuals** , Over 36 000 total pages Just a SAMPLE of the CONTENTS by File Number and TM Number 013511 TM 5 6115 323 24P 4 GENERATOR SET GASOLINE ENGINE DRIVEN SKID MOUNTED TUBULAR FRAME 1 5 K SINGLE PHASE AC 120 240 V 28 VDC LESS ENGINE DOD MODELS MEP 015A 60 HZ NSN 6115 00 889 1446 AND DOD MODEL MEP 025A 28 VDC 6115 00 017 8236 TO 35C2 3 385 4 SL 4 07609A 07610A 013519 TM 5 6115 329 25P 1 GENERATOR SET GASOLINE ENGINE DR LESS ENGINE 0 5 KW AC 120 240 V 60 HZ 1 PHASE DOD MODEL FSN 6115 923 4469 400 HZ MODEL MEP 019A 6115 940 7862 AN DC MODEL MEP 024A 6115 940 7867 TO 35C2 3 440 14 013537 TM 5 6115 457 12 7 GENERATOR SET ENGINE DRIVEN TACTICAL SKID MTD 100 KW 3 PHASE 4 WIRE 120 240 416 V DOD MODELS MEP 007A UTILITY CLASS 50 60 HZ NSN 6115 00 133 9101 MODEL MEP 106A PRECISE CLASS 50 60 H 6115 00 133 9102 MODEL MEP 116A PRECISE CLASS 400 KW 6115 00 133 9103 INCLUDING OPTIONAL KITS MODEL MEP 007 AWF WINTERIZATION KIT FUEL BURNING 6115 00 463 9082 MEP 007AWE WINTERIZATION KIT ELECTRIC 6115 00 463 9084 MODEL MEP 007A DUMMY LOAD KIT 6115 00 463 9086 AND MODEL MEP 007AWM WHEEL 013538 TM 5 6115 457 34 12 GENERATOR SET DIESEL ENGINE DRIVEN TACTICAL SKID 100 KW 3 PHASE 4 WIRE 120 208 AND 240 416 V DOD MODELS MEP0 UTILITY CLASS 50 60 HZ NSN 6115 00 133 9101 MODEL MEP106A CLASS 50 60 HZ 6115 00 133 9102 AND MODEL MEP116A PRECISE 400 HZ 6115 00 133 9103 INCLUDING OPTIONAL KITS DOD MODELS MEP007AWF WINTERIZATION KIT FUEL BURNING 6115 00 463 9082 MEP007AWE WINTERIZATION KIT ELECTRIC 6115 00 463 9084 MOD MEP007ALM DUMMY LOAD KIT 6115 00 463 9086 AND MODEL MEP007A MOUNTING KIT 6 013540 TM 5 6115 458 24P 9 GENERATOR SET DIESEL ENGINE DRIVEN TACTICAL SKID MTD 2 KW 3 PHASE 4 WIRE 120 208 AND 240 416 VOLTS DOD MODELS MEP009A UTILITY CLASS 50 60 HZ NSN 6115 00 133 9104 AND MODEL MEP108A PRECISE CLASS 50 60 HZ 6115 00 935 8729 INCLUDING OPTIONAL K DOD MODELS MEP009AWF WINTERIZATION KIT FUEL BURNING 6115 00 403 3761 MODEL MEP009AWE WINTERIZATION KIT ELECTRIC 6115 00 489 7285 013545 TM 5 6115 465 12 19 GENERATOR DIESEL ENGINE DRIVEN TACTICAL SKID MTD 30 KW 3 PHASE 4 WIRE 120 208 AND 240 416 V DOD MODEL MEP 005A UTILITY CLASS 50 6 NSN 6115 00 118 1240 MODEL MEP 104A PRECISE CLASS 50 60 6115 00 118 1247 MODEL MEP 114A PRECISE CLASS 400 HZ 6115 00 118 1248 INCLUDING AUXILIARY EQUIPMENT DOD MODEL MEP WINTERIZATION KIT FUEL BURNING 6115 00 463 9083 MODEL MEP WINTERIZATION KIT ELECTRIC 6115 00 463 9085 MODEL MEP 005A LOAD BANK KIT 6115 00 463 9088 AND MODEL MEP 005AWM WH 013547 TM 5 6115 465 34 12 GENERATOR SET DIESEL ENGINE DRIVEN TACTIC SKID MTD 30 KW 3 PHASE 4 WIRE 120 208 AND 240 416 V DOD MO MEP 005A UTILITY 50 60 HZ NSN 6115 00 118 1240 MODEL MEP 104A PRECISE 50 60 HZ 6115 00 118 1247 MODEL MEP 114 PRECISE 50 60 HZ 6115 00 118 1248

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400 HERTZ 6115 00 118 INCLUDING AUXILIARY EQUIPMENT MEP 005AWF WINTERIZATION KIT FUE BURNING 6115 00 463 9083 MEP 005AWE WINTERIZATION KIT ELEC 6115 00 067310 TM 9 6115 650 14 DOD MODEL MEP 104A 6115 00 118 1245 DOD MODEL MEP 113A 6115 00 118 1244 069954 TM 9 6115 465 24P 2 GENERATOR SET DIESEL ENGINE DRIVE TACTICAL SKID MTD 30KW 3 PHASE 4 WIRE 120 208 AND 240 416 V MODELS MEP 005A UTILITY 50 60 HZ NSN 6115 00 118 1240 MEP 104A PRECISE 50 60 HZ 6115 00 118 1247 MEP 114A PRECISE 400 H 6115 00 118 1248 INCLUDING OPTIONAL KITS DOD MODELS MEP 00 WINTERIZATION KIT FUEL BURNING 6115 00 463 9083 MEP 005 AW WINTERIZATION KIT ELECTRIC 6115 00 463 9085 MEP 002 ALM L BANK KIT 6115 00 463 9088 MEP 005 AWM WHEEL MOUNTING KIT 6115 00 463 9094 TO 35C2 3 070096 TM 9 6115 464 24P 1 GENERATOR S DIESEL ENGINE DRIVEN TACTICAL SKID MTD 15KW 3 PHASE 4 WIRE 120 208 AND 240 416 VOLTS DOD MODEL MEP 004A UTILITY CLASS 50 60 HERTZ NSN 6115 00 118 1241 DOD MODEL MEP 103A PRECISE CLASS 50 60 HERTZ 6115 00 118 1245 DOD MODEL MEP 113A PRECI CLASS 400 HERTZ 6115 00 118 1244 INCLUDING OPTIONAL KITS DOD MODEL MEP 005 AWF WINTERIZATION KIT FUEL BURNING 6115 00 463 DOD MODEL MEP 005 AWE WINTERIZATION KIT ELECTRIC 6615 00 46 DOD MODEL MEP 004 ALM LOAD BANK KIT 6115 00 191 9201 071025 TM 9 6115 641 10 2 GENERATOR SET SKID MOUNTED TACTICAL QUIET 5 KW 60 AND 400 HZ MEP 802A 60 HZ NSN 6115 01 274 7387 MEP 812A 400 HZ 6115 01 274 7391 TO 35C2 3 456 11 071026 TM 9 6115 642 10 2 GENERATOR SET SKID MOUNTED TACTICAL QUIE 10 KW 60 AND 400 HZ MEP 803A 60 HZ NSN 6115 01 275 5061 MEP 813A 400 HZ 6115 01 274 7392 TO 35C2 3 455 11 TM 09247A 09248A 10 1 071028 TM 9 6115 643 10 3 GENERATOR SET SKID MOUNTED TACTICAL QUI 15 KW 50 60 AND 400 HZ MEP 804A 50 60 HZ NSN 6115 01 274 73 MEP 814A 400 HZ 6115 01 274 7393 TO 35C2 3 445 21 071029 TM 9 6115 644 10 2 GENERATOR SET SKID MOUNTED TACTICAL QUIET 30 KW 50 60 AND 400 HZ MEP 805A 50 60 HZ NSN 6115 01 274 7389 MEP 815A 400 HZ 6115 01 274 7394 TO 35C2 3 446 11 TM 09249A 09246A 10 1 071030 TM 9 6115 645 10 2 GENERATOR SET SKID MOUNTED TACTICAL QUIET 60 KW 50 60 AND 400 HZ MEP 806A 50 60 HZ NSN 6115 01 274 7390 MEP 816A 400 HZ 6115 01 274 7395 TO 35C2 3 444 11 TM 09244A 09245A 10 1 071031 LO 9 6115 641 12 GENERATOR SET SKID MOUNTED TACTICAL QUIET 5 KW 60 AND 400 HZ MEP 802A TACTICAL QUIET 60 HZ NSN 6115 01 274 7387 MEP 812A TACTICAL QUIET 400 HZ 6115 01 274 7391 071032 LO 9 6115 642 12 GENERATOR SET SKID MOUNTED TACTICAL QUIET 10 KW 60 AND 400 HZ MEP 803A TACTICAL QUIET 60 HZ NSN 6115 01 275 5061 MEP 813A TACTICAL QUIET 400 HZ 6115 01 274 7392 071033 LO 9 6115 643 12 GENERATOR SET SKID MOUNTED TACTICAL QUIET 15 KW 50 60 400 HZ MEP 804A TACTICAL QUIET 50 60 HZ NSN 6115 01 274 7388 MEP 814 TACTICAL QUIET 400 HZ 6115 01 274 7393 071034 LO 9 6115 644 12 GENERATOR SET SKID MOUNTED TACTICAL QUIET 30 KW 50 60 AND 40 MEP 805A TACTICAL QUIET 50 60 HZ NSN 6115 01 274 7389 MEP 815 TACTICAL QUIET 400 HZ 6115 01 274 7394 LI 09249A 09246A 12 071035 LO 9 6115 645 12 GENERATOR SET SKID MOUNTED TACTICAL QUIET 60 KW 50 60 AND 40

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Disciple III

Remember Who You Are: Study Manual Richard B. Wilke,2010-09-01 The Disciple III Remember Who You Are Study Manual combines direction and information enabling study of the text the Bible Two titles in the commentary section of the manual reflect ideas central to the prophets and Paul s letters The Word of the Lord picks up a familiar phrase from the prophets a clear statement of their calling They spoke and speak for God Each member of the group needs a study manual and a Bible The Bible is the text for the study and the study manual will guide group members in their study and preparation for the weekly group session The study manual also includes suggestions for individual research and study related activities Space is provided for taking notes while reading Scripture for recording thoughts and questions arising out of daily study and for notes during the weekly group session The titles of the sessions along with theme words and theme verses and major persons events and topics will set the sequence of the biblical story in the minds of the participants The principal Scripture for each session follows the chronological movement of the biblical story Disciple III Remember Who You Are is the third study in the four phase DISCIPLE program The driving idea in this study is the connection between memory and identity as the people of God The word You in the title is meant to be heard both in its singular form the individual and its plural form the community We are a community of memory Participants in this 32 week study will read the major and minor Old Testament prophets with the exception of Daniel and will read the thirteen Letters traditionally attributed to Paul To establish the historical context in which the prophets spoke for God daily reading assignments draw also on the books of Deuteronomy through Chronicles Several themes weave their way through the study the call to remember the call to repentance the need for renewed vision and the place of community The prophets and Paul are continually calling hearers and readers back to their God and to a sense of who they are as a people set apart Commitment and Time Involved 32 week study Three and one half to four hours of independent study each week 40 minutes daily for leaders and 30 minutes daily for group members in preparation for weekly group meetings Attendance at weekly 2 5 hour meetings

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The Lincoln Library of Essential Information an Up to Date Manual for Daily Reference, for Self Instruction, and for General Culture Named in Appreciative Remembrance of Abraham Lincoln, the Foremost American Exemplar of Self Education ,1924 **Roman Law in the Modern World: Manual of Roman law illustrated by Anglo-American law and the modern codes** Charles Phineas Sherman,1917 **Canon Speedlite System Digital Field Guide** Michael Corsentino,2012-07-12 Get enlightened with this detailed coverage of Canon s Speedlite system If you use a digital SLR camera then you understand just how critical it is to have a capable flash A Canon Speedlite shines a whole new light on taking photos with a Canon DSLR This full color in depth guide takes you beyond the standard manual that accompanies a Canon Speedlite and shows you the types of settings you can use on your camera when working with off camera flashes You ll explore the possibilities of wireless lighting with multiple speedlites as well as the creative effects you can achieve Author teacher and professional photographer Michael Corsentino demystifies setting up a speedlite synchronizing the speedlite equipment and determining lighting ratios He provides you with detailed real world information on using all of Canon s various Speedlite models including the new 600EX RT and covers other Canon lighting system components such as the ST E2 Wireless Transmitter Macro Ring Lite and Macro Twin Lites and OC E3 Off Camera Shoe Cord Highlights how the Canon Speedlite system is a must have accessory for exploring a new world of digital photo possibilities Covers a number of Canon s Speedlites including the 600EX RT 580 EX II 430 EX II 270 EX and 270 EX II and the 320 EX Shows you how to create an inexpensive and portable wireless studio lighting system that can go where you go Demystifies setting up the speedlite synchronizing the equipment and figuring out lighting ratios Canon Speedlite System Digital Field Guide 3rd Edition is a handy guide that shares real world information and untangles the complexities of using the Canon Speedlite system **Manual of Institute Work** Michigan. Department of Public Instruction,1881 **Between Slavery and Capitalism** Martin Ruef,2014-08-24 An in depth examination of the economic and social transition from slavery to capitalism during Reconstruction At the center of the upheavals brought by emancipation in the American South was the economic and social transition from slavery to modern capitalism In *Between Slavery and Capitalism* Martin Ruef examines how this institutional change affected individuals organizations and communities in the late nineteenth century as blacks and whites alike learned to navigate the shoals between two different economic worlds Analyzing trajectories among average Southerners this is perhaps the most extensive sociological treatment of the transition from slavery since W E B Du Bois *Black Reconstruction in America* In the aftermath of the Civil War uncertainty was a pervasive feature of life in the South

affecting the economic behavior and social status of former slaves Freedmen s Bureau agents planters merchants and politicians among others Emancipation brought fundamental questions How should emancipated slaves be reimbursed in wage contracts What occupations and class positions would be open to blacks and whites What forms of agricultural tenure could persist And what paths to economic growth would be viable To understand the escalating uncertainty of the postbellum era Ruef draws on a wide range of qualitative and quantitative data including several thousand interviews with former slaves letters labor contracts memoirs survey responses census records and credit reports Through a resolutely comparative approach Between Slavery and Capitalism identifies profound changes between the economic institutions of the Old and New South and sheds new light on how the legacy of emancipation continues to affect political discourse and race and class relations today

4 7 Slave Manual Book Review: Unveiling the Power of Words

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