<b>REVISIO</b>	ON HISTORY		
REV	DESCRIPTION	DATE	BY
x1	Draft	1/16/20	24 W.Ralston
Α	CDR	3/28/20	24 W. Ralston
В	Control Update	5/10/20	24 W. Ralston
С	FDR Release	7/9/202	24 W. Ralston
D	Added MB_SELECT_RB	8/8/202	24 W. Ralston

# **Summary**

This document includes data models that are of Approved, Test, and Draft status. Before using any of these models, please check the release status of the model in question.

#### **Modbus Offset:**

The first offset address starts at 0 and represents the offset communicated over Modbus

### **PLC Address:**

The "PLC" Address is presented as 5-digit decimal numbers, beginning with a "3", representing "Input registers", or a "4" representing "Holding Registers" All PLC Addresses start at address 1; example: 30001 and 40001.

### **Scaling Factor (SF):**

Scaling factor of **K** means that the **effective value** is equal to the **value read (or written)** on the modbus multiplied by 10 raised to the power **K**.

## H14 Customer Data Point Schedule REXE1022A-H14-001 (REV D) 8/8/2024

Field Type	Applicable Point	Modbus Offset	PLC Address	Size (words)	Name	Label	Nominal Value	Туре	Units / Scaling	R/W	Low Limit	High Limit	Description	REV
BOOL		0	000000		BESS_START_REQ_R	BESS - START REQUEST (REMOTE)	0	Bool		+	REQ OFF		Start BESS Operation	В
BOOL		1	000001		BESS_STOP_REQ_R	BESS - STOP REQUEST (REMOTE)	0	Bool			REQ OFF		Stop BESS Operation	В
BOOL		2	000002		BESS_RESET_REQ_R	BESS - RESET REQUEST (REMOTE)	0	Bool			REQ OFF		Reset BESS Faults/Alarms	В
BOOL		3	000003		BESS_ESTOP_REQ_R	BESS - ESTOP REQUEST (REMOTE)	0	Bool		RW	REQ OFF		Estop BESS Operation	В
													Island Reconnect Status	
BOOL		4	000004				1	Bool					0: Islanding Breaker Open	
					BESS_GRID_RECONNECT	BESS - RECONNECT to Grid				RW	0	1	1: Islanding Breaker Closed (Transition inverter to Following)	В
BOOL		5	000005		Reserved/Pad			Bool						
BOOL		6	000006		Reserved/Pad			Bool						
BOOL		7	000007		Reserved/Pad			Bool						
BOOL		8	800000		Reserved/Pad			Bool						
BOOL		9	000009		Reserved/Pad			Bool						
BOOL		10	000010		Reserved/Pad			Bool						
													Seconds counter for BESS to monitoring BMC comms.	
Fixed Block		0	40001	1	CUST_WATCHDOG	Customer Comms Watchdog	0->60	INT16	Sec	RW	0	60	BMC should re-send the BESS_WATCHDOG read value (below)	
													BESS FUNCTION Select	
													0: OFF	
													1: Enable Batteries Only (Disable Inverter)	
													2: Enable Batteries + Inverter	
Fixed Block		1	40002	1	BESS_FUNCTION_R	BESS FUNCTION SELECT (REMOTE)	2	UINT16	#	RW	0	3	3: {Future}	
Fixed Block		2	40003	1	BESS_P_REQ_R	Requested real power (Remote Mode)		INT16	kW * 10	RW	-10,000	10,000	Inverter Following Mode - P (Real) power command	
Fixed Block		3	40004	1	BESS_Q_REQ_R	Requested reactive power (Remote Mode)		INT16	Kvar * 10	RW	-1,000	1,000	Inverter Following Mode - Q (Reactive) power command	
Fixed Block		4	40005	1	BESS_V_REQ_R	Requested AC Voltage (Remote Mode)	4500	UINT16	Volts * 10	RW	4220	5280	Inverter Forming Mode - Vref command	
Fixed Block		5	40006	1	BESS_F_REQ_R	Requested Frequency (Remote Mode)	6000	UINT16	Hz * 100	RW	5500	6500	Inverter Forming Mode - Fref command	
Fixed Block		6	40007	1	GRID_RECONNECT_DELAY	Grid Reconnection Time Delay	0	UINT16	Sec	RW	0		Delay in seconds between Reconnect conditions met and Close Breaker Command being sent (Not Required if SEL751 manages reconnect)  Controls Modbus Map that is Controlling BESS  0: Port 1025 (*:Main Control Port, Read And Write Access)	В
Fixed Block		7	40000	1	NAD CELECT	Calact Madhus May / Dout that is controlling the DECC	0	LUNT1C		D\4/*	0		<u> </u>	
Fixed Block		/	40008	1	MB_SELECT	Select Modbus Map/Port that is controlling the BESS	0	UINT16	#	RW*	U	1	1: Port 1026 (*:Secondary Control Port, Read Only, Not Writtable)	C
Fixed Block		8	40009	1	(Reserved Spare)								(Reserved Spare)	
Fixed Block		10	40010 40011	1	(Reserved Spare) (Reserved Spare)								(Reserved Spare)	
Fixed Block Fixed Block		11	40011	1	(Reserved Spare)								(Reserved Spare) (Reserved Spare)	
Fixed Block		12	40012	1	(Reserved Spare)		-						(Reserved Spare)	
Fixed Block		13	40013	1	(Reserved Spare)								(Reserved Spare)	
Fixed Block		14	40014	1	(Reserved Spare)								(Reserved Spare)	
Fixed Block		15	40015	1	(Reserved Spare)								(Reserved Spare)	
Fixed Block		16	40010	1	(Reserved Spare)								(Reserved Spare)	
Fixed Block		17	40017	1	(Reserved Spare)								(Reserved Spare)	
Fixed Block		18	40018	1	(Reserved Spare)								(Reserved Spare)	
Fixed Block			40019	1									·	
		19		1	(Reserved Spare)								(Reserved Spare)	
Fixed Block Fixed Block		20	40021 40022	1	(Reserved Spare)								(Reserved Spare)	
		21		1	(Reserved Spare)	+							(Reserved Spare)	
Fixed Block		22	40023	1	(Reserved Spare)	+							(Reserved Spare)	
Fixed Block		23	40024	1	(Reserved Spare)	<u> </u>							(Reserved Spare)	
Fixed Block		24	40025	1	(Reserved Spare)	<u> </u>							(Reserved Spare)	
Fixed Block		25	40026	1	(Reserved Spare)	<u> </u>							(Reserved Spare)	
Fixed Block		26	40027	1	(Reserved Spare)								(Reserved Spare)	
Fi . I Bl. I		47	40040	4	INIV AC MIT SUA	Investor AC Disco A Valley	2===	1114174.0	\1.1. \4.5			6.000	Incompany of AC Share A Valu	
Fixed Block		47	40048	1	INV_AC_VLT_PHA	Inverter AC Phase A Voltage	2770	UINT16	Volts * 10	K	0	6,900	Inverter measured AC Phase A Voltage	C
Fixed Block		48	40049	1	INV_AC_VLT_PHB	Inverter AC Phase B Voltage	2770	UINT16	Volts * 10	K	0	6,900	Inverter measured AC Phase B Voltage	С
Fixed Block		49	40050	1	INV_AC_VLT_PHC	Inverter AC Phase C Voltage	2770	UINT16	Volts * 10	R	0	6,900	Inverter measured AC Phase C Voltage	C

Field Type	Applicable Point	Modbus Offset	PLC Address	Size (words)	Name	Label	Nominal Value	Туре	Units / Scaling	R/W	Low Limit	High Limit	Description	REV
Fixed Block	10	50	40051	1	INV REAL PWR	Inverter Real Power	Value	INT16	kW * 10	R	-2,810	2,810	Inverter measured Power (Real)	
Fixed Block		51	40052	1	INV REAC PWR	Inverter Reactive Power		INT16	kVar * 10	R	-2,810	2,810	Inverter measured Power (Reactive)	
Fixed Block		52	40053	1	INV_VAC	Inverter AC RMS Voltage		UINT16	Volts * 10	R	0	6,900	Inverter measured AC RMS Volts at output terminals	
Fixed Block		53	40054	1	INV_FREQ	Inverter Frequency		UINT16	Hz * 100	R	0	6,500	Inverter measured Frequency at output terminals	
Fixed Block		54	40055	1	INV_AC_AMP_PHA	Inverter AC Phase A Current		UINT16	Amps * 10	R	0	3,500	Inverter measured AC Phase A Current	
Fixed Block		55	40056	1	INV_AC_AMP_PHB	Inverter AC Phase B Current		UINT16	Amps * 10	R	0	3,500	Inverter measured AC Phase B Current	
Fixed Block		56	40057	1	INV_AC_AMP_PHC	Inverter AC Phase C Current		UINT16	Amps * 10	R	0	3,500	Inverter measured AC Phase C Current	
Fixed Block		57	40058	2	INV_FLT_FLGS	Inverter Fault Flags		UINT32	(Bitmap)	R			This bit word contains system status indicators.	
Fixed Block		59	40060	2	INV_WRN_FLGS	Inverter Warning Flags		UINT32	(Bitmap)	R			This bit word contains system status indicators.	
													Inverter Vendor Operating State (EPC)	
													0-POR (Power On Reset)	
													1-Ready	
													2-Following	
													3-Fault	
													4-Forming	
													5-Reconnect Delay	
													6-Reserved - 06	
													7-Area EPS Loss	
													8-Charging DC	
													9-Ride Through	
													10-Momentary Cessation	
													11-Transitioning	
													12-Inhibited	
													13-Reserved - 13	
													14-Reserved - 14	
Fixed Block		61	40062	1	INV_OPER_STATE	Inverter Operating State		UINT16	N/A		R	М	15-Reserved - 15	
Fixed Block		62	40063	1	(Reserved Spare)								(Reserved Spare)	
Fixed Block		63	40064	1	BAT_KWH	Battery Bank Energy Reserve (based SOC)		UINT16	kWh	R	0		Bank Energy Reserve Calc (= SOC * 110kWh * Rack Count)	
Fixed Block		64	40065	1	BAT_SOC	Battery Bank State of Charge (SOC)		UINT16	SOC% * 10	R	0		Bank state of charge	
Fixed Block		65	40066	1	BAT_VDC	Connected DC Bus Voltage	12000	UINT16	VDC * 10	R	0	15,000	DC Bus Voltage	
Fixed Block		66	40067	1	BAT_RACKS_ONLINE_CNT	Strings (Racks) Connected Count		UINT16	#	R	R	M	Number of racks that are in-service.	
Fixed Block		67	40068	_	BAT_RACKS_ONLINE_1	List 1 of Racks connected to DC Bus		UINT32	(Bitmap)	R	R	М	List of Battery Racks (1-32) that are in-service.	
Fixed Block		69	40070	2	BAT_RACKS_ONLINE_2	List 2 of Racks connected to DC Bus		UINT32	(Bitmap)	R	R	M	List of Battery Racks (33-64) that are in-service.	
Fixed Block		71	40072	1	BAT_DPL	Battery Discharge power limit (based on DCL)		INT16	kW	R	R	М	Instantaneous dischargeable battery power limit.	
Fixed Block		72	40073	1	BAT_CPL	Battery Charge power limit (based on CCL)		INT16	kW	R	R	M	Instantaneous chargeable battery power limit.	
Fixed Block		73	40074		BAT_FAULT1	Battery Fault Flags	0	UINT16	(Bitmap)	R	R	M	This bit word contains battery system status indicators.	
Fixed Block		74	40075	1	BAT_FAULT2	Battery Fault Flags	0	UINT16	(Bitmap)	R	R	M	This bit word contains battery system status indicators.	
													BESS System Operating State	
													0 - FAULTED State	
													1 - STOPPED State	
													2 - STARTING State	
													3 - STOPPING State	
													4 - BATTERY ON	
													5 - RUNNING in FORMING State	
Fixed Block		75	40076	1	BESS_STATE	BESS System Operating State	+	UINT16	N/A	R	0	6	6 - RUNNING in FOLLOWING State	
Fixed Block		76	40077	1	BESS_STS_WORD	Status Bit Word		UINT16	Bitmap	R			See below for bit definitions	C
Fixed Block		77	40078	1	BESS_ALM_WORD_1	System Alarm Bit Word 1	0	UINT16	Bitmap	R			See below for bit definitions	C
Fixed Block		78	40079	1	BESS_ALM_WORD_2	System Alarm Bit Word 2	0	UINT16	Bitmap	R			See below for bit definitions	C
Fixed Block		79	40080	1	BESS_ESTOP_WORD	E-STOP Status Bit Word	65535	UINT16	Bitmap	R			See below for bit definitions	
Fixed Block		80	40081	1	BESS_AUX_LOAD	120/208 power usage of system	_	INT16	Watts / 10	K	0	4,000	Instantaneous AUX power usage.	
Fixed Block		81	40082	1	BESS_RT01_TOP	Enclosure Temperature - Supply Air		INT16	Deg F	K	0	1,200	PLC Temperature Sensor	
Fixed Block		82	40083	1	BESS_RT02_BOT	Enclosure Temperature - Return Air		INT16	Deg F	K	0	1,200	PLC Temperature Sensor	
Fixed Block		83	40084	1	(Reserved Spare)	<u> </u>			1				(Reserved Spare)	C
													BESS Grid Connection State	
													0: Synching/Countdown	
Et al Di I			4000=		DECC COID CTATE	DECC Contains Cold Class		1118774.0					1: On Grid	
Fixed Block		84	40085	1 1	BESS_GRID_STATE	BESS System Grid State		UINT16	#	K	0	2	2: Off Grid	
Fixed Block		85	40086	1 1	GRID_RECONNECT_TIME	Grid Reconnection Countdown Time		UINT16	Seconds	R	0	600	Reconnection Delay Timer Status	
													Readback value of Modbus Map that is Controlling BESS	
					14B 65/507 55	D II I (145 25:505		,		_			0: Port 1025	
Fixed Block		86	40087	1	MB_SELECT_RB	Readback of MB_SELECT	0	UINT16	#	R	0	1	1: Port 1026	D
Fixed Block		87	40088	1	BESS_RH01	Relative Humidity - Return Air		INT16	RH%	R	0	100	PLC Relative Humidity Sensor	
Fixed Block		88	40089	1 1	(Reserved Spare)	PEGG C	+	141=16		<del>  _</del>			(Reserved Spare)	
Fixed Block		89	40090	1	BESS_WATCHDOG	BESS Comms Watchdog		INT16	Seconds	R	0	60	Seconds counter for BMC to monitoring comms	

Field Type	Applicable	Modbus	PLC	Size Name	Label	Nominal	Туре	Units / Scaling	R/W Low Limit	High Limit	Description	REV
	Point	Offset	Address	(words)		<b>Value</b> Bit						
bitfield16	BESS_STS_WORD			BAT_ONLINE	Battery Racks - All Online	0						
bitfield16	BESS_STS_WORD			BAT_PARTIAL_MODE	Battery Racks - Partial Mode	1						
bitfield16	BESS_STS_WORD			INV_RUN	Inverter Running	2						
bitfield16	BESS_STS_WORD			BESS_MODE_LOCAL	LOCAL Mode Active	3						
bitfield16	BESS_STS_WORD			BESS_DOOR_OPEN	Cabinet Door Ajar	4						
bitfield16	BESS_STS_WORD			BESS_START_READY	BESS - Ready to Start	5						
bitfield16	BESS_STS_WORD				False (0)	6						
bitfield16 bitfield16	BESS_STS_WORD  BESS_STS_WORD	+			False (0) False (0)	8						
bitfield16	BESS_STS_WORD				False (0)	9						
bitfield16	BESS_STS_WORD				False (0)	10						
bitfield16	BESS_STS_WORD				False (0)	11						
bitfield16	BESS_STS_WORD				False (0)	12						
bitfield16	BESS_STS_WORD				False (0)	13						
bitfield16	BESS_STS_WORD				False (0)	14						
bitfield16	BESS_STS_WORD				False (0)	15						
hi+fiold16	BESS ALM WORD1	1		HVAC ALARM	HVAC Alarm	Bit						
bitfield16 bitfield16	BESS_ALM_WORD1	<u> </u>		TEMP HIGH ALARM	High Temp Alarm	0						
bitfield16	BESS ALM WORD1			TEMP_LOW_ALARM	Low Temp Alarm	2						
bitfield16	BESS_ALM_WORD1			HUMID ALARM	Humidity Alarm	3						
bitfield16	BESS_ALM_WORD1			ENVIR SENSOR ALARM	General Analog Sensor Signal Quality Alarm	4						
bitfield16	BESS_ALM_WORD1			FAS_TROUBLE	Fire Alarm System (FAS) Trouble	5						
bitfield16	BESS_ALM_WORD1				False (0)	6						
bitfield16	BESS_ALM_WORD1			BAT_ALARM	Battery System (KPMC) Alarm	7						
bitfield16	BESS_ALM_WORD1			BAT_WARNING	Battery System (KPMC) Warning	8						
bitfield16	BESS_ALM_WORD1				Battery System (KPMC) Comms Alarm	9						
bitfield16	BESS_ALM_WORD1			INV_COMMS_ALM	Inverter Comms Alarm	10						
bitfield16	BESS_ALM_WORD1			HVAC_COMMS_ALM	HVAC Comms Alarm	11						
bitfield16	BESS_ALM_WORD1			IMD_COMMS_ALM	IMD Comms Alarm	12						
bitfield16 bitfield16	BESS_ALM_WORD1 BESS_ALM_WORD1			PLC_COMMS_ALM PM01_COMMS_ALM	PLC Comms Alarm PM01 Comms Alarm	13						
bitfield16	BESS_ALM_WORD1			HMI_COMMS_ALM	HMI Comms Alarm	14 15						
SitilCid10	DESS_ALIM_WORDS	!	!	I I I I I I I I I I I I I I I I I I I	Than commo and the	1 13						
						Bit						
bitfield16	BESS_ALM_WORD2			UPS10_FLT	UPS10 Fault	0						
bitfield16	BESS_ALM_WORD2			PS21_FLT	Power Supply 21 Fault	1						
bitfield16	BESS_ALM_WORD2			PS22_FLT	Power Supply 22 Fault	2						
bitfield16 bitfield16	BESS_ALM_WORD2 BESS_ALM_WORD2	+		PS35_FLT PS40_FLT	Power Supply 35 Fault Power Supply 40 Fault	3 4						
bitfield16	BESS_ALM_WORD2				False (0)	5						
bitfield16	BESS_ALM_WORD2				False (0)	6						
bitfield16	BESS_ALM_WORD2				False (0)	7						
bitfield16	BESS_ALM_WORD2				False (0)	8						
bitfield16	BESS_ALM_WORD2				False (0)	9						
bitfield16	BESS_ALM_WORD2				False (0)	10						
bitfield16	BESS_ALM_WORD2				BAT_STARTUP_TIMEOUT Alarm	11						
bitfield16	BESS_ALM_WORD2				INV_STARTUP_TIMEOUT Alarm	12						
bitfield16	BESS_ALM_WORD2 BESS ALM WORD2			FORM_SOC_SHUTDOWN	FORM_SOC_SHUTDOWN Alarm	13						
bitfield16 bitfield16	BESS_ALM_WORD2			FORM_SOC_High_ALM FORM_SOC_Low_ALM	FORM_SOC_High Alarm FORM_SOC_Low Alarm	14 15						
bitileid10	BL35_ALIVI_WORDZ	!	ļ	T OKIVI_3OC_LOW_ALIVI	TORM_SOC_LOW AIRTH	1 13						
						Bit						
bitfield16	BESS_ESTOP_WORD			INV_ESTOP_CKT_ALM	Inverter E-Stop by Safety Circuit OK	0						
bitfield16	BESS_ESTOP_WORD			DCA_SPD03_ALM	DCA Surge Protector (SPD03) Alarm OK	1						
bitfield16	BESS_ESTOP_WORD			FIRE_ALM	Fire Alarm System (FAS) Alarm OK	2						
bitfield16	BESS_ESTOP_WORD			ESTOP_PB_ALM	E-Stop from Pushbutton OK	3						
bitfield16	BESS_ESTOP_WORD		-		Customer E-Stop (CR05) OK	4						
bitfield16	BESS_ESTOP_WORD			CUST_ESTOP_MB	Customer E-Stop (Modbus) OK	5						
bitfield16 bitfield16	BESS_ESTOP_WORD  BESS_ESTOP_WORD			DCA_DCT01_OPEN	DCA Disconnect (DCT01) Closed True (1)	6						
bitfield16	BESS_ESTOP_WORD			IMD01_ALM	Insulation Monitor (IMD01) Alarm OK	8						
bitfield16	BESS ESTOP WORD			HMI_ESTOP	E-Stop from HMI OK	9						
bitfield16	BESS ESTOP WORD			INV_FAULT	Any Inverter Fault OK	10						
bitfield16	BESS_ESTOP_WORD			BAT_FAULT	Any Battery Fault OK	11						
-	<del></del>	-	<del>-</del>	<del></del>	<del>-</del>							

## H14 Customer Data Point Schedule REXE1022A-H14-001 (REV D) 8/8/2024

Field Type	Applicable Point	Modbus Offset	PLC Address	Size (words)	Name Label	Nominal Value	Туре	Units / Scaling	R/W	Low Limi	t High Limit	Description	REV
bitfield16	BESS_ESTOP_WORD				True (1)	12		-	<u>-</u>		<del>-</del>		_
bitfield16	BESS_ESTOP_WORD				True (1)	13							
bitfield16	BESS_ESTOP_WORD				True (1)	14							
bitfield16	BESS_ESTOP_WORD				True (1)	15							

## H14 Customer Data Point Schedule REXE1022A-H14-001 (REV D) 8/8/2024

Defect   Point												
Bit	Field Type	Applicable	Modbus	PLC	Size Name	Label	Nominal	Type	Units / Scaling	R/W Low Limit	High Limit	Description
Datified   BAT_FAULT		Point	Offset	Address	(words)		Value	••			-	·
Dirtied161							Bit					
DiteMati	bitfield16	BAT_FAULT1				Communication Error						
Dicted 15	bitfield16	BAT_FAULT1				Over Temperature Alarm	1					
Ditfield16	bitfield16	BAT_FAULT1				Over Temperature Warning	2					
biffield   BAT FAULT   Der Charge Current Alarm   5	bitfield16	BAT_FAULT1				Under Temperature Alarm	3					
Ditfield16   BAT FAULT2   Down Charge Current Warning   6	bitfield16	BAT_FAULT1				Under Temperature Warning	4					
birtfeld16   BAT FAULT   Over Discharge Current Alarm   7	bitfield16	BAT_FAULT1				Over Charge Current Alarm	5					
bitfield16   BAT_FAUIT1   Over Discharge Current Warning   8	bitfield16	BAT_FAULT1				Over Charge Current Warning	6					
biffield16   BAT_FAULT1   Dover Voltage Alarm   9	bitfield16	BAT_FAULT1				Over Discharge Current Alarm	7					
biffield16   BAT FAULT1   Dever Voltage Marring   10	bitfield16	BAT_FAULT1				Over Discharge Current Warning	8					
bitfield16   BAT_FAULT1   Under Voltage Marm   11	bitfield16	BAT_FAULT1				Over Voltage Alarm	9					
bitfield16   BAT_FAULT1   Under Voltage Warning   12	bitfield16	BAT_FAULT1				Over Voltage Warning	10					
bitfield16	bitfield16	BAT_FAULT1				Under Voltage Alarm	11					
bitfield16 BAT_FAULT1   Under State of Charge Min Warning 14 bitfield16 BAT_FAULT2   Over State of Charge Max Warning 0 bitfield16 BAT_FAULT2   Over State of Charge Max Warning 0 bitfield16 BAT_FAULT2   Over State of Charge Max Warning 1 bitfield16 BAT_FAULT2   Voltage Imbalance Warning 1 bitfield16 BAT_FAULT2   Temperature Imbalance Warning 3 bitfield16 BAT_FAULT2   Temperature Imbalance Warning 3 bitfield16 BAT_FAULT2   Temperature Imbalance Warning 3 bitfield16 BAT_FAULT2   Contactor Error 4 bitfield16 BAT_FAULT2   Fan Error 5 bitfield16 BAT_FAULT2   Ground Fault Error 6 bitfield16 BAT_FAULT2   Open Door Error 7 bitfield16 BAT_FAULT2   Open Door Error 7 bitfield16 BAT_FAULT2   Open Door Error 9 bitfield16 BAT_FAULT2   Other Battery Alarm 9 bitfield16 BAT_FAULT2   Other Battery Warning 10 bitfield16 BAT_FAULT2   Other Battery Warning 10 bitfield16 BAT_FAULT2   Other Battery Warning 11 bitfield16 BAT_FAULT2   Configuation Marm 12 bitfield16 BAT_FAULT2   Configuation Marming 13 bitfield16 BAT_FAULT2   Configuation Marming 14	bitfield16	BAT_FAULT1				Under Voltage Warning	12					
Bit	bitfield16	BAT_FAULT1				Under State of Charge Min Alarm	13					
bitfield16   BAT FAULT2   Over State of Charge Max Warning   0	bitfield16	BAT_FAULT1				Under State of Charge Min Warning	14					
bitfield16 BAT_FAULT2	bitfield16	BAT_FAULT1				Over State of Charge Max Alarm	15					
bitfield16 BAT_FAULT2												
bitfield16 BAT_FAULT2   Voltage Imbalance Warning 1 bitfield16 BAT_FAULT2   Temperature Imbalance Alarm 2 bitfield16 BAT_FAULT2   Temperature Imbalance Warning 3 bitfield16 BAT_FAULT2   Contactor Error 4 bitfield16 BAT_FAULT2   Fan Error 5 bitfield16 BAT_FAULT2   Ground Fault Error 6 bitfield16 BAT_FAULT2   Open Door Error 7 bitfield16 BAT_FAULT2   Current Imbalance Warning 8 bitfield16 BAT_FAULT2   Other Battery Alarm 9 bitfield16 BAT_FAULT2   Other Battery Warning 10 bitfield16 BAT_FAULT2   Configuation Alarm 12 bitfield16 BAT_FAULT2   Configuation Warning 13 bitfield16 BAT_FAULT2   Configuation Warning 14				_			Bit					
bitfield16 BAT_FAULT2 Temperature Imbalance Alarm 2 bitfield16 BAT_FAULT2 Temperature Imbalance Warning 3 bitfield16 BAT_FAULT2 Contactor Error 4 bitfield16 BAT_FAULT2 Fan Error 5 bitfield16 BAT_FAULT2 Ground Fault Error 6 bitfield16 BAT_FAULT2 Open Door Error 7 bitfield16 BAT_FAULT2 Open Door Error 7 bitfield16 BAT_FAULT2 Other Battery Alarm 9 bitfield16 BAT_FAULT2 Other Battery Alarm 9 bitfield16 BAT_FAULT2 Other Battery Warning 10 bitfield16 BAT_FAULT2 Other Battery Warning 10 bitfield16 BAT_FAULT2 Configuation Alarm 12 bitfield16 BAT_FAULT2 Temperature Imbalance Warning 12 bitfield16 BAT_FAULT2 Temperature Imbalance Warning 12 bitfield16 BAT_FAULT2 Configuation Alarm 12 bitfield16 BAT_FAULT2 Temperature Imbalance Warning 13 bitfield16 BAT_FAULT2 Configuation Marring 13	-	BAT_FAULT2				Over State of Charge Max Warning	0					
bitfield16 BAT_FAULT2 COntactor Error 4 bitfield16 BAT_FAULT2 FAULT2 FOR CONTACTOR FAULT		_					1					
bitfield16 BAT_FAULT2 Fan Error 5 bitfield16 BAT_FAULT2 Fan Error 5 bitfield16 BAT_FAULT2 Fan Error 5 bitfield16 BAT_FAULT2 Fan Error 6 bitfield16 BAT_FAULT2 FAULT2 FAULT		_					2					
bitfield16BAT_FAULT2Fan Error5bitfield16BAT_FAULT2Ground Fault Error6bitfield16BAT_FAULT2Open Door Error7bitfield16BAT_FAULT2Current Imbalance Warning8bitfield16BAT_FAULT2Other Battery Alarm9bitfield16BAT_FAULT2Other Battery Warning10bitfield16BAT_FAULT2Reserved11bitfield16BAT_FAULT2Configuation Alarm12bitfield16BAT_FAULT2Configuation Warning13bitfield16BAT_FAULT2Under State of Charge Min Warning14		<del>-</del>					3					
bitfield16BAT_FAULT2Ground Fault Error6bitfield16BAT_FAULT2Open Door Error7bitfield16BAT_FAULT2Current Imbalance Warning8bitfield16BAT_FAULT2Other Battery Alarm9bitfield16BAT_FAULT2Other Battery Warning10bitfield16BAT_FAULT2Reserved11bitfield16BAT_FAULT2Configuation Alarm12bitfield16BAT_FAULT2Configuation Warning13bitfield16BAT_FAULT2Under State of Charge Min Warning14		<del>-</del>					4					
bitfield16BAT_FAULT2Open Door Error7bitfield16BAT_FAULT2Current Imbalance Warning8bitfield16BAT_FAULT2Other Battery Alarm9bitfield16BAT_FAULT2Other Battery Warning10bitfield16BAT_FAULT2Reserved11bitfield16BAT_FAULT2Configuation Alarm12bitfield16BAT_FAULT2Configuation Warning13bitfield16BAT_FAULT2Under State of Charge Min Warning14		<del>-</del>					5					
bitfield16BAT_FAULT2Current Imbalance Warning8bitfield16BAT_FAULT2Other Battery Alarm9bitfield16BAT_FAULT2Other Battery Warning10bitfield16BAT_FAULT2Reserved11bitfield16BAT_FAULT2Configuation Alarm12bitfield16BAT_FAULT2Configuation Warning13bitfield16BAT_FAULT2Under State of Charge Min Warning14		<del>-</del>					6					
bitfield16BAT_FAULT2Other Battery Alarm9bitfield16BAT_FAULT2Other Battery Warning10bitfield16BAT_FAULT2Reserved11bitfield16BAT_FAULT2Configuation Alarm12bitfield16BAT_FAULT2Configuation Warning13bitfield16BAT_FAULT2Under State of Charge Min Warning14		<b>=</b>					7					
bitfield16BAT_FAULT2Other Battery Warning10bitfield16BAT_FAULT2Reserved11bitfield16BAT_FAULT2Configuation Alarm12bitfield16BAT_FAULT2Configuation Warning13bitfield16BAT_FAULT2Under State of Charge Min Warning14		_					8					
bitfield16BAT_FAULT2Reserved11bitfield16BAT_FAULT2Configuation Alarm12bitfield16BAT_FAULT2Configuation Warning13bitfield16BAT_FAULT2Under State of Charge Min Warning14		<del>-</del>					J					
bitfield16BAT_FAULT2Configuation Alarm12bitfield16BAT_FAULT2Configuation Warning13bitfield16BAT_FAULT2Under State of Charge Min Warning14		_					10					
bitfield16 BAT_FAULT2 Configuation Warning 13 bitfield16 BAT_FAULT2 Under State of Charge Min Warning 14												
bitfield16 BAT_FAULT2 Under State of Charge Min Warning 14		_										
		_										
bitfield16 BAT_FAULT2 Over State of Charge Max Alarm 15		<del>-</del>										
	bitfield16	BAT_FAULT2				Over State of Charge Max Alarm	15					

REV

Dec.	Field Type	Applicable Point	Modbus Offset	PLC Address	Size (words)	Name	Label	Nominal Value	Туре	Units / Scalin	ng R/W	Low Limit	High Limit	Description	REV
				-				Bit					<del></del>		
Inchmon   Col. (2007)   Col.   Col.								0							
Table								1							
Description		<del></del>						<u> </u>							
		<del> </del>						<u> </u>							
Second Second Med Process   Second															
March   Mark								<u> </u>							
Professor   Control County   Control C								+							
Interior   March Common   March Co		<del></del>						8							
SPECIAL   STATE OF CHINE   SALE CARRIES   SALE CA	bitfield16	BAT_RACKS_ONLINE_1					Rack 10 Connected	9							
39th   30th	bitfield16	BAT_RACKS_ONLINE_1					Rack 11 Connected	10							
Brieffelt   M. SCATE, Comman   Bas 14 Contention   11		+													
Bernella		<del></del>													
Billion   Bill		+													
Defaults								<b></b>							
Section   Sect															
British   Brit   British   Brit   British   Brit   Brit		+													
Indication   Ind		<del></del>													
Def Column   Ant Allas OWAR, 2		+													
								<b></b>							
Particle   Part   ACCC, 2018   1															
Interestical   Park   Machine   Ma	bitfield16	BAT_RACKS_ONLINE_1					Rack 23 Connected	22							
Beffeld: But   BACKS ONINE 2   Back 25 Connected   22	bitfield16	BAT_RACKS_ONLINE_1					Rack 24 Connected	23							
Deficial Str. PARTS COMER 2   Data 25 Connected   26   Deficial Str. PARTS COMER 2   Data 25 Connected   23   Deficial Str. PARTS COMER 2   Data 25 Connected   23   Deficial Str. PARTS COMER 2   Data 25 Connected   23   Deficial Str. PARTS COMER 2   Data 25 Connected   Data 25 Connec	bitfield16	BAT_RACKS_ONLINE_1					Rack 25 Connected	24							
Deliridadic															
Bit   Bast 20 Connected   28   Bit   Bast 20 Connected   29   Bit   Bast 20 Connected   29   Bit   Bast 20 Connected   29   Bit   Bast 20 Connected   20   Bast 20 Connected   20   Bit   Bast 20 Connected   20   Bit							†								
Definition   Def															
Bark   ALC, ALC, COUNTY   Bark   Connected   30															
BAT BACKS, ONLINE 2															
Dit   Dit		<del></del>													
Bittlebit	Bitilela10	D/(I_IV/CRS_CIVEIVE_I					nack 32 connected	31							
Bittlebit								Bit							
Bath Bell	bitfield16	BAT_RACKS_ONLINE_2					Rack 33 Connected								
Delited 15   BAT BACKS ONLINE 2   Rat 3 S Commerced   3	bitfield16	BAT_RACKS_ONLINE_2					Rack 34 Connected	1							
Ditfield	bitfield16						Rack 35 Connected	2							
Bittled16   BAT RACKS ONLINE 2   Rack 38 Connected   5		<del></del>						3							
Dittled16   BAT RACKS ONLINE 2   Rack 30 Connected   F.		<del> </del>													
Diffield				1				<b></b>							
Birlield								<u> </u>							
Diffield   BAT_RACKS_ONLINE   Rack 42 Connected   9								,							
Diffield   BAT RACKS ONLINE 2		<del></del>													
Bitfield16   BAT RACKS ONLINE 2   Rack 44 Connected   11								,							
bitfield16															
Bitfield16   BAT RACKS ONLINE 2   Rack 46 Connected   13															
bitfield16															
bitfield16   BAT_RACKS_ONLINE_2   Rack 49 Connected   16     bitfield16   BAT_RACKS_ONLINE_2   Rack 51 Connected   17     bitfield16   BAT_RACKS_ONLINE_2   Rack 51 Connected   18     bitfield16   BAT_RACKS_ONLINE_2   Rack 52 Connected   19     bitfield16   BAT_RACKS_ONLINE_2   Rack 52 Connected   20     bitfield16   BAT_RACKS_ONLINE_2   Rack 54 Connected   21     bitfield16   BAT_RACKS_ONLINE_2   Rack 55 Connected   22     bitfield16   BAT_RACKS_ONLINE_2   Rack 55 Connected   22     bitfield16   BAT_RACKS_ONLINE_2   Rack 55 Connected   22     bitfield16   BAT_RACKS_ONLINE_2   Rack 55 Connected   23     bitfield16   BAT_RACKS_ONLINE_2   Rack 57 Connected   24     bitfield16   BAT_RACKS_ONLINE_2   Rack 58 Connected   25     bitfield16   BAT_RACKS_ONLINE_2   Rack 59 Connected   25     bitfield16   BAT_RACKS_ONLINE_2   Rack 58 Connected   26     bitfield16   BAT_RACKS_ONLINE_2   Rack 50 Connected   26     bitfield16   BAT_RACKS_ONLINE_2   Rack 50 Connected   27     bitfield16   BAT_RACKS_ONLINE_2   Rack 60 Connected   28     bitfield16   BAT_RACKS_ONLINE_2   Rack 60 Connected   28     bitfield16   BAT_RACKS_ONLINE_2   Rack 60 Connected   29     bitfield16   BAT_RACKS_ONLINE_2   Rack 61 Connected   29     bitfield16   BAT_RACKS_ONLINE_2   Rack 62 Connected   29     bitfield16   BAT_RACKS_ONLINE_2   Rack 63 Connected   30	bitfield16							14							
Ditfield16   BAT_RACKS_ONLINE_2   Rack 50 Connected   17															
bitfield16         BAT_RACKS_ONLINE_2         Rack 51 Connected         18           bitfield16         BAT_RACKS_ONLINE_2         Rack 52 Connected         19           bitfield16         BAT_RACKS_ONLINE_2         Rack 53 Connected         20           bitfield16         BAT_RACKS_ONLINE_2         Rack 54 Connected         21           bitfield16         BAT_RACKS_ONLINE_2         Rack 55 Connected         22           bitfield16         BAT_RACKS_ONLINE_2         Rack 56 Connected         23           bitfield16         BAT_RACKS_ONLINE_2         Rack 57 Connected         24           bitfield16         BAT_RACKS_ONLINE_2         Rack 58 Connected         25           bitfield16         BAT_RACKS_ONLINE_2         Rack 59 Connected         25           bitfield16         BAT_RACKS_ONLINE_2         Rack 59 Connected         26           bitfield16         BAT_RACKS_ONLINE_2         Rack 60 Connected         27           bitfield16         BAT_RACKS_ONLINE_2         Rack 61 Connected         28           bitfield16         BAT_RACKS_ONLINE_2         Rack 62 Connected         29           bitfield16         BAT_RACKS_ONLINE_2         Rack 63 Connected         29           bitfield16         BAT_RACKS_ONLINE_2         Rack 63 Connected				1											
bitfield16         BAT_RACKS_ONLINE 2         Rack 52 Connected         19           bitfield16         BAT_RACKS_ONLINE 2         Rack 53 Connected         20           bitfield16         BAT_RACKS_ONLINE 2         Rack 54 Connected         21           bitfield16         BAT_RACKS_ONLINE 2         Rack 55 Connected         22           bitfield16         BAT_RACKS_ONLINE 2         Rack 56 Connected         23           bitfield16         BAT_RACKS_ONLINE 2         Rack 57 Connected         24           bitfield16         BAT_RACKS_ONLINE 2         Rack 58 Connected         25           bitfield16         BAT_RACKS_ONLINE 2         Rack 59 Connected         26           bitfield16         BAT_RACKS_ONLINE 2         Rack 59 Connected         27           bitfield16         BAT_RACKS_ONLINE 2         Rack 61 Connected         27           bitfield16         BAT_RACKS_ONLINE 2         Rack 62 Connected         29           bitfield16         BAT_RACKS_ONLINE 2         Rack 63 Connected				1											
bitfield16         BAT_RACKS_ONLINE_2         Rack 53 Connected         20           bitfield16         BAT_RACKS_ONLINE_2         Rack 54 Connected         21           bitfield16         BAT_RACKS_ONLINE_2         Rack 55 Connected         22           bitfield16         BAT_RACKS_ONLINE_2         Rack 56 Connected         23           bitfield16         BAT_RACKS_ONLINE_2         Rack 57 Connected         24           bitfield16         BAT_RACKS_ONLINE_2         Rack 58 Connected         25           bitfield16         BAT_RACKS_ONLINE_2         Rack 59 Connected         26           bitfield16         BAT_RACKS_ONLINE_2         Rack 60 Connected         27           bitfield16         BAT_RACKS_ONLINE_2         Rack 61 Connected         28           bitfield16         BAT_RACKS_ONLINE_2         Rack 62 Connected         29           bitfield16         BAT_RACKS_ONLINE_2         Rack 62 Connected         29           bitfield16         BAT_RACKS_ONLINE_2         Rack 63 Connected         30		<del></del>		1	<del> </del>										
bitfield16 BAT_RACKS_ONLINE_2 Rack 54 Connected 21 bitfield16 BAT_RACKS_ONLINE_2 Rack 55 Connected 22 bitfield16 BAT_RACKS_ONLINE_2 Rack 56 Connected 23 bitfield16 BAT_RACKS_ONLINE_2 Rack 57 Connected 24 bitfield16 BAT_RACKS_ONLINE_2 Rack 58 Connected 25 bitfield16 BAT_RACKS_ONLINE_2 Rack 58 Connected 25 bitfield16 BAT_RACKS_ONLINE_2 Rack 59 Connected 26 bitfield16 BAT_RACKS_ONLINE_2 Rack 60 Connected 27 bitfield16 BAT_RACKS_ONLINE_2 Rack 60 Connected 27 bitfield16 BAT_RACKS_ONLINE_2 Rack 61 Connected 28 bitfield16 BAT_RACKS_ONLINE_2 Rack 61 Connected 28 bitfield16 BAT_RACKS_ONLINE_2 Rack 62 Connected 29 bitfield16 BAT_RACKS_ONLINE_2 Rack 63 Connected 30					1	1									
bitfield16 BAT_RACKS_ONLINE_2 Rack 55 Connected 22 bitfield16 BAT_RACKS_ONLINE_2 Rack 56 Connected 23 bitfield16 BAT_RACKS_ONLINE_2 Rack 57 Connected 24 bitfield16 BAT_RACKS_ONLINE_2 Rack 58 Connected 25 bitfield16 BAT_RACKS_ONLINE_2 Rack 59 Connected 26 bitfield16 BAT_RACKS_ONLINE_2 Rack 50 Connected 27 bitfield16 BAT_RACKS_ONLINE_2 Rack 60 Connected 27 bitfield16 BAT_RACKS_ONLINE_2 Rack 61 Connected 28 bitfield16 BAT_RACKS_ONLINE_2 Rack 62 Connected 28 bitfield16 BAT_RACKS_ONLINE_2 Rack 63 Connected 29 bitfield16 BAT_RACKS_ONLINE_2 Rack 63 Connected 39				1				<b></b>							
bitfield16         BAT_RACKS_ONLINE_2         Rack 56 Connected         23           bitfield16         BAT_RACKS_ONLINE_2         Rack 57 Connected         24           bitfield16         BAT_RACKS_ONLINE_2         Rack 58 Connected         25           bitfield16         BAT_RACKS_ONLINE_2         Rack 59 Connected         26           bitfield16         BAT_RACKS_ONLINE_2         Rack 60 Connected         27           bitfield16         BAT_RACKS_ONLINE_2         Rack 61 Connected         28           bitfield16         BAT_RACKS_ONLINE_2         Rack 62 Connected         29           bitfield16         BAT_RACKS_ONLINE_2         Rack 63 Connected         30		<del></del>		1											
bitfield16 BAT_RACKS_ONLINE_2 Rack 57 Connected 24 bitfield16 BAT_RACKS_ONLINE_2 Rack 58 Connected 25 bitfield16 BAT_RACKS_ONLINE_2 Rack 59 Connected 26 bitfield16 BAT_RACKS_ONLINE_2 Rack 60 Connected 27 bitfield16 BAT_RACKS_ONLINE_2 Rack 61 Connected 28 bitfield16 BAT_RACKS_ONLINE_2 Rack 62 Connected 28 bitfield16 BAT_RACKS_ONLINE_2 Rack 63 Connected 29 bitfield16 BAT_RACKS_ONLINE_2 Rack 63 Connected 30					1										
bitfield16BAT_RACKS_ONLINE_2Rack 58 Connected25bitfield16BAT_RACKS_ONLINE_2Rack 59 Connected26bitfield16BAT_RACKS_ONLINE_2Rack 60 Connected27bitfield16BAT_RACKS_ONLINE_2Rack 61 Connected28bitfield16BAT_RACKS_ONLINE_2Rack 62 Connected29bitfield16BAT_RACKS_ONLINE_2Rack 63 Connected30															
bitfield16 BAT_RACKS_ONLINE_2 Rack 59 Connected 26 bitfield16 BAT_RACKS_ONLINE_2 Rack 60 Connected 27 bitfield16 BAT_RACKS_ONLINE_2 Rack 61 Connected 28 bitfield16 BAT_RACKS_ONLINE_2 Rack 62 Connected 29 bitfield16 BAT_RACKS_ONLINE_2 Rack 63 Connected 30															
bitfield16BAT_RACKS_ONLINE_2Rack 61 Connected28bitfield16BAT_RACKS_ONLINE_2Rack 62 Connected29bitfield16BAT_RACKS_ONLINE_2Rack 63 Connected30								26							
bitfield16BAT_RACKS_ONLINE_2Rack 62 Connected29bitfield16BAT_RACKS_ONLINE_2Rack 63 Connected30	bitfield16	BAT_RACKS_ONLINE_2					Rack 60 Connected	27							
bitfield16 BAT_RACKS_ONLINE_2 Rack 63 Connected 30															
bittield16  BAT_RACKS_ONLINE_2   Rack 64 Connected 31				1											
	bittield16	IRVI_KACKS_ONLINE_2		]			Rack 64 Connected	31							

March   Marc	Field Type	Applicable Point	Modbus Offset	PLC Address	Size (words)	Name	Label	Nominal Value	Туре	Units / Scaling	R/W	Low Limit	High Limit	Description	REV
Tollering   No. 11   1952		T	_	1	1	T	T	Bit							
							· · · · · · · · · · · · · · · · · · ·								
								1							
December   December															
Process							·								
Description   Proceedings							·								
Billing   St. P. P. P. P. S.															
Section   Sect							T T T T T T T T T T T T T T T T T T T	8							
Bit   Bit															
Description   Prof.   March   March															
Office 2   Vol. VI. Vi							Cooling system								
Set   Set	bitfield32	INV_FLT_FLGS					AC Timed overload	13							
Bar 1967   1967   1975   1965	bitfield32	INV_FLT_FLGS					DC Timed overload	14							
Bernell	bitfield32	INV_FLT_FLGS					Timed Circ Current	15							
Extending   No. 1 x 1 x 2 x 3							<u> </u>								
Section   Sect															
Martinal 27   Martinal Park P. F. F. S.   Park P. F. R. S.   Park P. S.															
Beffeeddd   Wy Fil P   PSS															
Definition 22															
Interest															
Interfacts   Proc. Pt.   1,450															
Definition   Def															
Defended   Defended															
Methodo   New   File   New															
Delition   Delition															
Ditteled 22   NV _VFIT _ TLGS   Bearwed - 30   30															
Diffeed22   No. VMN, FLGS   CMN Warring   Diffeed23   No. VMN, FLGS   CMN From Provision   1							Reserved - 30	30							
Ditribution	bitfield32	INV_FLT_FLGS					Reserved - 31	31							
Ditribution	-				,			-							
Dit-Indit27 NO_WRN_FLGS								Bit							
Data								0							
Defined 32   NV_WIN_FIGS   Fan Circut   3								1							
Dithidd   Dith								+							
bitfield32         NV WRN RGS         Local Network mismatch         5           bitfield32         NV WRN RGS         Renet Network mismatch         6           bitfield32         NV WRN RGS         Condensation         7           bitfield32         NV WRN RGS         Commander         9           bitfield32         NV WRN RGS         External Inhibit         9           bitfield32         NV WRN RGS         State of Paul         10           bitfield32         NV WRN RGS         Ground Fault         11           bitfield32         NV WRN RGS         AC Disconnect         13           bitfield32         NV WRN RGS         Reserved-16         13           bitfield33         NV WRN RGS         Reserved-15         15           bitfield32         NV WRN RGS         Reserved-16         16           bitfield32         NV WRN RGS         Reserved-17         17           bitfield32         NV WRN RGS         Reserved-18         18           bitfield32         NV WRN RGS         Reserved-19         19           bitfield32         NV WRN RGS         Reserved-19         19           bitfield32         NV WRN RGS         Reserved-19         19           bitfield32 <td></td>															
Diffeld 2   NN WRN FLGS   Remote Network mismatch   6   Diffeld 2   NN WRN FLGS   D.C. Condensation   7   Diffeld 3   NN WRN FLGS   D.C.   8   Diffeld 3   NN WRN FLGS   D.C.   8   Diffeld 3   NN WRN FLGS   D.C.   8   Diffeld 3   NN WRN FLGS   Maintenance Required   10   Diffeld 3   NN WRN FLGS   Maintenance Required   10   Diffeld 3   NN WRN FLGS   Ground Fault   11   Diffeld 3   NN WRN FLGS   FL								<u> </u>							
bitteld32         INV_WRN_FLGS         Condensation         7           bitfield32         INV_WRN_FLGS         8           bitfield32         INV_WRN_FLGS         Stematinibit         9           bitfield32         INV_WRN_FLGS         Maintenance Required         10           bitfield32         INV_WRN_FLGS         Ground fault         11           bitfield32         INV_WRN_FLGS         Face or TVS         12           bitfield32         INV_WRN_FLGS         AC Disconnect         13           bitfield32         INV_WRN_FLGS         Reserved - 14         14           bitfield32         INV_WRN_FLGS         Reserved - 14         14           bitfield32         INV_WRN_FLGS         Reserved - 14         14           bitfield32         INV_WRN_FLGS         Reserved - 15         15           bitfield32         INV_WRN_FLGS         Reserved - 16         16           bitfield32         INV_WRN_FLGS         Reserved - 18         18           bitfield32         INV_WRN_FLGS         Reserved - 18         18           bitfield32         INV_WRN_FLGS         Reserved - 19         19           bitfield32         INV_WRN_FLGS         Reserved - 22         20           bitfield								+							
Dittled32   INV_WRN_FLGS   INV_WRN_FLGS   External Inhibit   9															
Diffield 22   INV_WRN_FLGS   External Inhibit   9   Diffield 22   INV_WRN_FLGS   Modifiend 24   INV_WRN_FLGS   Ground Fault   11   Diffield 25   INV_WRN_FLGS   Ground Fault   11   Diffield 26   INV_WRN_FLGS   Ground Fault   12   Diffield 27   INV_WRN_FLGS   Fuse or IVS   12   Diffield 27   INV_WRN_FLGS   ACDISON (15   13   INV_WRN_FLGS   Reserved 14   14   Diffield 27   INV_WRN_FLGS   Reserved 15   15   Diffield 28   INV_WRN_FLGS   Reserved 15   15   Diffield 28   INV_WRN_FLGS   Reserved 16   16   Diffield 28   INV_WRN_FLGS   Reserved 17   17   Diffield 28   INV_WRN_FLGS   Reserved 19   19   Diffield 29   INV_WRN_FLGS   Reserved 20   20   Diffield 29   INV_WRN_FLGS   Reserved 21   21   Diffield 29   INV_WRN_FLGS   Reserved 23   23   Diffield 29   INV_WRN_FLGS   Reserved 23   23   Diffield 29   INV_WRN_FLGS   Reserved 24   24   Diffield 29   INV_WRN_FLGS   Reserved 25   25   Diffield 29   INV_WRN_FLGS   Reserved 26   26   Diffield 29   INV_WRN_FLGS   Reserved 26   26   Diffield 29   INV_WRN_FLGS   Reserved 26   26   Diffield 29   INV_WRN_FLGS   Reserved 27   27   Diffield 29   INV_WRN_FLGS   Reserved 29   29   Diffield 29   INV_WRN_FLGS   Reserved 30   30   Diffield 29   INV_WRN_FLGS   Reserved 30   30   Diffield 30   INV_WRN_FLGS   Reserved 30   30   Diffi								8							
birfield32   INV_WRN_FLGS   Maintenance Required   10															
bitfield32   INV_WRN_FLGS   Fuse or TVS   12								_							
bitfield32   INV_WRN_FLGS   Fuse or TVS   12							·								
bitfield32   INV WRN FLGS   Reserved -14   14     bitfield32   INV WRN FLGS   Reserved -15   15     bitfield32   INV WRN FLGS   Reserved -16   16     bitfield32   INV WRN FLGS   Reserved -17   17     bitfield32   INV WRN FLGS   Reserved -17   17     bitfield32   INV WRN FLGS   Reserved -18   18     bitfield32   INV WRN FLGS   Reserved -19   19     bitfield32   INV WRN FLGS   Reserved -20   20     bitfield32   INV WRN FLGS   Reserved -21   21     bitfield32   INV WRN FLGS   Reserved -22   22     bitfield32   INV WRN FLGS   Reserved -23   23     bitfield32   INV WRN FLGS   Reserved -24   24     bitfield32   INV WRN FLGS   Reserved -25   25     bitfield32   INV WRN FLGS   Reserved -27   27     bitfield32   INV WRN FLGS   Reserved -28   28     bitfield32   INV WRN FLGS   Reserved -29   29     bitfield32   INV WRN FLGS   Reserved -28   28     bitfield32   INV WRN FLGS   Reserved -29   29     bitfield32   INV WRN FLGS   Reserved -29   29     bitfield32   INV WRN FLGS   Reserved -30   30	bitfield32						Fuse or TVS	12							
bitfield32   INV_WRN_FLGS   Reserved -15   15     bitfield32   INV_WRN_FLGS   Reserved -16   16     bitfield32   INV_WRN_FLGS   Reserved -17   17     bitfield32   INV_WRN_FLGS   Reserved -18   18     bitfield32   INV_WRN_FLGS   Reserved -19   19     bitfield32   INV_WRN_FLGS   Reserved -20   20     bitfield32   INV_WRN_FLGS   Reserved -21   21     bitfield32   INV_WRN_FLGS   Reserved -21   21     bitfield32   INV_WRN_FLGS   Reserved -22   22     bitfield32   INV_WRN_FLGS   Reserved -23   23     bitfield32   INV_WRN_FLGS   Reserved -24   24     bitfield32   INV_WRN_FLGS   Reserved -25   25     bitfield32   INV_WRN_FLGS   Reserved -27   27     bitfield32   INV_WRN_FLGS   Reserved -28   28     bitfield32   INV_WRN_FLGS   Reserved -29   29     bitfield32   INV_WRN_FLGS   Reserved -29   29     bitfield32   INV_WRN_FLGS   Reserved -29   29     bitfield32   INV_WRN_FLGS   Reserved -30   30	bitfield32	INV_WRN_FLGS					AC Disconnect	13							
bitfield32   NV_WRN_FLGS   Reserved - 16   16     bitfield32   NV_WRN_FLGS   Reserved - 17   17     bitfield32   NV_WRN_FLGS   Reserved - 18   18     bitfield32   NV_WRN_FLGS   Reserved - 19   19     bitfield32   NV_WRN_FLGS   Reserved - 20   20     bitfield32   NV_WRN_FLGS   Reserved - 21   21     bitfield32   NV_WRN_FLGS   Reserved - 22   22     bitfield32   NV_WRN_FLGS   Reserved - 23   23     bitfield32   NV_WRN_FLGS   Reserved - 24   24     bitfield32   NV_WRN_FLGS   Reserved - 25   25     bitfield32   NV_WRN_FLGS   Reserved - 26   26     bitfield32   NV_WRN_FLGS   Reserved - 26   26     bitfield32   NV_WRN_FLGS   Reserved - 27   27     bitfield32   NV_WRN_FLGS   Reserved - 28   28     bitfield32   NV_WRN_FLGS   Reserved - 29   29     bitfield32   NV_WRN_FLGS   Reserved - 30   30	bitfield32	INV_WRN_FLGS					Reserved - 14								
Ditfield32   INV_WRN_FLGS   Reserved - 17   17   17   18   18   18   18   18															
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