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		Holding Address	OID	Parameter name	Parameter Details	Factory Setting	Range	Scale factor	Unit	Notes	Read/Write	
Monitoring	Battery	40005	1.3.6.1.4.1.50811.101.xx.1.1.2.0	Charging status	Current charging phase: 0=None / 1=Recovery / 2=Bulk / 3=Absorption / 4=Float/5=Purification		0-5				Read only	
		40008	1.3.6.1.4.1.50811.101.xx.1.1.3.0	Battery voltage	Voltage measured at the battery terminals		0-65535		mV			Read only
		40014	1.3.6.1.4.1.50811.101.xx.1.1.4.0	Battery charge current	Measured value of the battery charge current		0-65535		mA			Read only
		40015	1.3.6.1.4.1.50811.101.xx.1.1.19.0	Battery internal reference resistance	The reference value of the internal resistance that is used to compute the state-of-health. It is automatically updated by the CBI and computed only if the lifetest is enabled, the Nominal battery internal resistance parameter (xx.5.1.1.0) is nonzero and the Nominal Battery Cables Resistance parameter (xx.5.1.2.0) is nonzero. Displays 65535 when the information is not yet available or when it is not possible to compute it.		0-65535	0,1	mΩ			Read only
		40016	1.3.6.1.4.1.50811.101.xx.1.1.12.0	Battery capacity consumed	The capacity that has been consumed from the battery (e.g 500 = 50Ah)		0-65535	0,1	Ah			Read only
		40017	1.3.6.1.4.1.50811.101.xx.1.1.5.0	Battery discharge current	Measured value of the battery discharge current		0-65535		mA			Read only
		40021	1.3.6.1.4.1.50811.101.xx.1.1.11.0	Battery state-of-health	The state-of-health of the battery. It is not updated when the Manual SoH test is requested by writing 1 to the Manual SoH Test Request parameter (xx.5.1.11.0). Updated only if the lifetest is enabled and the Nominal battery internal resistance parameter (xx.5.1.1.0) is nonzero and the Nominal Battery Cables Resistance parameter (xx.5.1.2.0) is nonzero. Displays 65535 when the information is not yet available or when it is not possible to compute it		0-100 (> 100 if not yet calculated)		%			Read only
		40022	1.3.6.1.4.1.50811.101.xx.1.1.10.0	Time remaining to 100% discharge	Remaining time to 0% SoC during discharge if the load remains unchanged. Updated only if at least one of the Battery Capacity ratings (xx.5.1.3.0 ... xx.5.1.7.0) is nonzero. Displays 65535 when the information is not available or the battery capacity ratings are all set to zero		0-65535		min			Read only
		40023	1.3.6.1.4.1.50811.101.xx.1.1.6.0	Battery state-of-charge	Displays the percent state of charge of the battery, with a 0.1 scale factor (e.g. 800=80%). Updated only if at least one of the Battery Capacity ratings (xx.5.1.3.0 ... xx.5.1.7.0) is nonzero. Displays 65535 when the information is not available or the battery capacity ratings are all set to zero		0-1000 (> 1000 if not yet calculated)	0,1	%			Read only
		40024	1.3.6.1.4.1.50811.101.xx.1.1.7.0	Battery type currently selected	The battery type currently selected (0 = Open lead, 1 = AGM lead, 2 = GEL lead, 3 = NiCd , 4 = Lilon). Please refer to the user manual for the battery chemistry setting.		0-4					Read only
		40026	1.3.6.1.4.1.50811.101.xx.1.1.8.0	Battery temperature	Temperature measured on the battery by means of the external battery temperature probe in Kelvin units, conversion formula T(°C) = T(K)-273. Displays the value 0 when the probe is not connected		0-65535		K			Read only
		40028	1.3.6.1.4.1.50811.101.xx.1.1.13.0	Measured battery internal resistance (Rint meas)	Battery internal resistance as measured by the device. It is shown only if lifetest is enabled and when the Nominal Battery Cables Resistance parameter (xx.5.1.2.0) is nonzero. Displays 65535 when the information is not yet available or when it is not possible to compute it. It is not updated when the Manual SoH test is requested by writing 1 to the Manual SoH Test Request parameter (xx.5.1.11.0) (e.g. 450 = 45.0mΩ).		0-65535	0,1	mΩ			Read only
		40089	1.3.6.1.4.1.50811.101.xx.1.1.9.0	Number of battery cells	Number of the battery cells expected according to the selected chemistry and the nominal output voltage of the device (12/24V/48V)		6/12 /24[Lead] 10/20/40 [NiCd] 4/8/16[Lilon]					Read only
		40100	1.3.6.1.4.1.50811.101.xx.1.1.16.0	Manual SoH test possible	0 = Manual SoH test not possible 1 = Manual SoH test possible		0-1					Read only
		40115	1.3.6.1.4.1.50811.101.xx.1.1.17.0	Battery internal resistance by Manual SoH test	Battery internal resistance as measured by the device when the Manual SoH test is requested by writing 1 to the Manual SoH Test Request parameter (xx.5.1.11.0). It is shown only if the lifetest is enabled and the Nominal Battery Cables Resistance parameter (xx.5.1.2.0) is nonzero. Displays 65535 when the information is not yet available or when it is not possible to compute it (e.g. 450 = 45.0mΩ)		0-65535	0,1	mΩ			Read only
		40116	1.3.6.1.4.1.50811.101.xx.1.1.18.0	Battery state-of-health by Manual SoH test	The state-of-health of the battery based on the battery internal resistance by Manual SoH test parameter (xx.5.1.17.0). Updated only if the lifetest is enabled and the Nominal battery internal resistance parameter (xx.5.1.1.0) is nonzero and when the Nominal Battery Cables Resistance parameter (xx.5.1.2.0) is nonzero.. Displays 65535 when the information is not yet available or when it is not possible to compute it		0-100 (> 100 if not yet calculated)		%			Read only
		40117	1.3.6.1.4.1.50811.101.xx.1.1.20.0	Ongoing battery test type	The type of the battery test that is currently in progress: 0 = No test in progress 1 = Manual SoH test in progress 2 = Automatic test in progress		0-2					Read only
Device		40006	1.3.6.1.4.1.50811.101.xx.1.2.11.0	Power management DC-UPS	0 = Backup (mains is not available and the load connected at the Output Load terminals is supplied by the battery) 1 = Charging (mains is available and the battery charging) 2 = Power boost (the power required to supply the load connected at the Output Load terminals is drawn both from the mains and from the battery) 3 = Not charging (battery is not connected or a wrong battery is connected or a there is a short circuit at the output load terminals)		0-3				Read only	
		40007	1.3.6.1.4.1.50811.101.xx.1.2.1.0	Nominal output voltage	12 = 12V output voltage device; 24 = 24V output voltage device; 48 = 48V output voltage device		12/24/48		V		Read only	
		40009	1.3.6.1.4.1.50811.101.xx.1.2.10.0	Parameter map version ID	Identifier of the release of the device parameter map		0-65535					Read only
		40010	1.3.6.1.4.1.50811.101.xx.1.2.12.0	Software ID	Identifier of the software release		0-65535					Read only
		40025	1.3.6.1.4.1.50811.101.xx.1.2.2.0	Hardware configuration	Displays the hardware configuration found. Bit 9 = Battery sense circuit available		0-65535				bitx=1-->feature available	Read only
40027	1.3.6.1.4.1.50811.101.xx.1.2.9.0	Configuration mode	0 = Configuration mode disabled 1 = Configuration mode enabled Please refer to the product manual for the configuration mode setting		0-1					Read only		

		ID	Object ID	Description	Units	Range	Step	Default	Scale	Resolution	Access	Read Only		
													Value	
History	Input	40029	1.3.6.1.4.1.50811.101.xx.1.2.3.0	On-board temperature inside the device	Temperature measured from inside the device in Kelvin units, conversion formula $T(^{\circ}C) = T(K)-273$	0-65535				K		Read only		
		40067	1.3.6.1.4.1.50811.101.xx.1.2.8.0	Product name	Device type	0-65535							Read only	
		40039	1.3.6.1.4.1.50811.101.xx.1.2.4.0	Device variant	Variant of the product	0-65535							Read only	
		40103	1.3.6.1.4.1.50811.101.xx.1.2.6.0	Firmware ID	Identifier of the device firmware release	0-65535							Read only	
	Load	40030	1.3.6.1.4.1.50811.101.xx.1.3.2.0	AC input voltage	Measured AC Input voltage	0-65535				VAC			Read only	
		40011	1.3.6.1.4.1.50811.101.xx.1.4.1.0	Output load voltage	Voltage measured at the output load terminals	0-65535				mV			Read only	
	Battery		40048	1.3.6.1.4.1.50811.101.xx.2.1.1.0	Number of charge cycles completed	Number of completed charge cycles	0-65535					write only 0 (history reset)	Read/write	
			40049	1.3.6.1.4.1.50811.101.xx.2.1.2.0	Charge cycles not completed	Number of aborted charge cycles, not completed	0-65535					write only 0 (history reset)	Read/write	
			40050	1.3.6.1.4.1.50811.101.xx.2.1.3.0	Ah charged	Total Ampere-hours charged: scale factor 0.1 (e.g. 1000 = 100Ah), computed as (Ah charged - Ah discharged)	0-65535	0,1			Ah	write only 0 (history reset)	Read/write	
			40051	1.3.6.1.4.1.50811.101.xx.2.1.4.0	Total run time	Total run time in charging mode	0-65535				min	write only 0 (history reset)	Read/write	
40052			1.3.6.1.4.1.50811.101.xx.2.1.5.0	Number of low battery voltage events	Number of times the battery voltage has been found lower than the value expressed by the low battery threshold parameter (xx.3.1.21.0) during backup	0-65535					write only 0 (history reset)	Read/write		
40053			1.3.6.1.4.1.50811.101.xx.2.1.6.0	Number of high battery voltage events	Number of high voltage events at the battery output terminals	0-65535					write only 0 (history reset)	Read/write		
40058			1.3.6.1.4.1.50811.101.xx.2.1.7.0	Number power boost events	Number of powerboost events	0-65535					write only 0 (history reset)	Read/write		
40059			1.3.6.1.4.1.50811.101.xx.2.1.8.0	Highest battery voltage	Highest voltage acquired at the battery terminals	0-65535				mV	write only 0 (history reset)	Read/write		
40062			1.3.6.1.4.1.50811.101.xx.2.1.9.0	Lowest battery voltage	Lowest voltage acquired at the battery terminals	0-65535				mV	write only 0 (history reset)	Read/write		
40061			1.3.6.1.4.1.50811.101.xx.2.1.10.0	Maximum depth of discharge	Maximum depth of discharge attained during discharge (e.g. 800 = 80%). Updated only if at least one of the Battery Capacity ratings (xx.5.1.3.0 ... xx.5.1.7.0) is nonzero	0-1000	0,1			%	write only 0 (history reset)	Read/write		
40064	1.3.6.1.4.1.50811.101.xx.2.1.11.0	Average depth of discharge	Average depth of discharge attained during discharge (e.g. 800 = 80%). Updated only if at least one of the Battery Capacity ratings (xx.5.1.3.0 ... xx.5.1.7.0) is nonzero	0-1000	0,1			%	write only 0 (history reset)	Read/write				
Device		40056	1.3.6.1.4.1.50811.101.xx.2.2.1.0	Number of overtemperature inside events	Number of internal overtemperature events	0-65535					write only 0 (history reset)	Read/write		
		40054	1.3.6.1.4.1.50811.101.xx.2.3.1.0	Number of low AC input voltage events at mains input	Number of times the input voltage has been found lower than the value expressed by the low AC input voltage alarm threshold parameter (xx.3.3.4.0)	0-65535					write only 0 (history reset)	Read/write		
		40055	1.3.6.1.4.1.50811.101.xx.2.3.2.0	Number of High AC input voltage events at mains input	Number of times the input voltage has exceeded the value expressed by the high AC input voltage alarm threshold parameter (xx.3.3.5.0)	0-65535					write only 0 (history reset)	Read/write		
		40057	1.3.6.1.4.1.50811.101.xx.2.3.3.0	Number of mains-backup transitions	Increased every time a mains-to-backup or a backup-to-mains transition is performed	0-65535					write only 0 (history reset)	Read/write		
		40121	1.3.6.1.4.1.50811.101.xx.2.3.4.0	Highest AC voltage at mains input	Maximum AC voltage measured by the device at mains input	0-65535				VAC	write only 0 (history reset)	Read/write		
		40122	1.3.6.1.4.1.50811.101.xx.2.3.5.0	Lowest AC voltage at mains input	Minimum AC voltage measured by the device at mains input	0-65535				VAC	write only 0 (history reset)	Read/write		
		40060	1.3.6.1.4.1.50811.101.xx.2.4.1.0	Highest output load voltage	Highest voltage acquired at the output load terminals	0-65535				mV	write only 0 (history reset)	Read/write		
		40063	1.3.6.1.4.1.50811.101.xx.2.4.2.0	Lowest output load voltage	Lowest voltage acquired at the output load terminals	0-65535				mV	write only 0 (history reset)	Read/write		
		Settings	Battery	40040	1.3.6.1.4.1.50811.101.xx.5.1.13.0	Start the measurement of the cables resistance	Write only 1 to start the measurement of the cables resistance. At the end of the measurement it returns 0 if the measurement could be done, and in such case the measured resistance is set as the nominal battery cables resistance parameter (xx.5.1.2.0). If the measurement was not possible (because the wires were not connected or not shorted together, it returns the value 2	0			0-2		write only 1	Read/Write
				40069	1.3.6.1.4.1.50811.101.xx.5.1.9.0	Reset internal battery model	Resets the battery model computed by the device over cycles	0			0-1		write only 1	Read/write
40098	1.3.6.1.4.1.50811.101.xx.5.1.10.0			Battery purification period	The period, in hours, between two battery purification stages. If set to 0 the purification is not done.	0			120-18000 (0 to disable)		h		Read/write	
40099	1.3.6.1.4.1.50811.101.xx.5.1.11.0			Manual SoH test request	Write 1 to start the Manual SoH test. Value remains 1 as long as the test is ongoing. Automatically returns to 0 at the end of the test. Write accepted only when the Manual SoH test possible parameter (xx.1.1.16.0) is 1. Updates the battery internal resistance by Manual SoH test parameter (xx.1.1.17.0), the battery state-of-health by Manual SoH test parameter (xx.1.1.18.0) , bit 7, bit 11 and bit 13 of the Battery State of Charge and State of Health alarm parameter (xx.4.1.4.0) only	0			0-1			write only 1	Read/write	
40101	1.3.6.1.4.1.50811.101.xx.5.1.1.0			Nominal battery internal resistance (Rint nom)	Battery nominal internal resistance as provided by the battery datasheet (e.g. 50 = 5.0mΩ)	0			0-20000	0,1	mΩ		Read/write	
40102	1.3.6.1.4.1.50811.101.xx.5.1.2.0			Nominal battery cables resistance	Total resistance of the cables connecting the device to the battery (e.g. 50 = 5.0mΩ)	0			0-20000	0,1	mΩ		Read/write	
40105	1.3.6.1.4.1.50811.101.xx.5.1.3.0			Battery capacity C20	Twenty-hour rate capacity in Ah (scale factor 0,1: 500=50Ah)	0			0-10000	0,1	Ah		Read/write	
40106	1.3.6.1.4.1.50811.101.xx.5.1.4.0			Battery Capacity C10	Ten-hour rate capacity in Ah (scale factor 0,1: 500=50Ah)	0			0-10000	0,1	Ah		Read/write	
40108	1.3.6.1.4.1.50811.101.xx.5.1.5.0			Battery Capacity C5	Five-hour rate capacity in Ah (scale factor 0,1: 500=50Ah)	0			0-10000	0,1	Ah		Read/write	
40109	1.3.6.1.4.1.50811.101.xx.5.1.6.0			Battery Capacity C2	Two-hour rate capacity in Ah (scale factor 0,1: 500=50Ah)	0			0-10000	0,1	Ah		Read/write	
40112	1.3.6.1.4.1.50811.101.xx.5.1.7.0	Battery Capacity C1	One-hour rate capacity in Ah (scale factor 0,1: 500=50Ah)	0			0-10000	0,1	Ah		Read/write			

	40113	1.3.6.1.4.1.50811.101.xx.5.1.8.0	Low state-of-charge	Battery state of charge level below which an alarm is triggered indicating low state of charge (e.g. 500 = 50%). Used only if at least one of the Battery Capacity ratings (xx.5.1.3.0 ... xx.5.1.7.0) is nonzero.	500	0-900	0,1	%		Read/write	
	40119	1.3.6.1.4.1.50811.101.xx.5.1.16.0	Battery brand	Used only in conjunction with DPY351 or Adel View System to display the brand of the connected battery. 0=not set	0	0-65535				Read/write	
	40123	1.3.6.1.4.1.50811.101.xx.5.1.14.0	Battery purification timeout	Timeout of the battery purification phase. At the end, the device transitions to bulk charge	480	5-1800		min		Read/write	
	40124	1.3.6.1.4.1.50811.101.xx.5.1.15.0	SoC level at end of purification	Battery state of charge level to reach to end the battery purification. Used only if at least one of the Battery Capacity ratings (xx.5.1.3.0 ... xx.5.1.7.0) is nonzero	500	300-900	0,1	%		Read/write	
Configuration	Battery	40071	1.3.6.1.4.1.50811.101.xx.3.1.1.0	Deep discharge battery prevention	Battery voltage at which, during backup, the device shuts down to prevent the battery from being deeply discharged	1670 [Lead, CBI] / 2183 [Lead, CB] 1000 [NiCd, CBI] / 1310 [NiCd, CB] 2500 [Lilon, CBI] / 3274 [Lilon, CB]	1400-2250 [Lead] 900-1350 [NiCd] 2500-3375 [Lilon]		mV/cell		Read/write
		40072	1.3.6.1.4.1.50811.101.xx.3.1.2.0	Maximum charge current	Sets the maximum allowed charging current	35000 [12V] 20000 [24V] 10000 [48V]	3500-35000 [12V] 2000-20000 [24V] 1000-10000 [48V]		mA		Read/write
		40073	1.3.6.1.4.1.50811.101.xx.3.1.3.0	Bulk voltage	Bulk voltage setting per cell	2400 [Lead] 1450 [NiCd] 3650 [Lilon]	2200-2500 [Lead] 1350-1550 [NiCd] 3400-3700 [Lilon]		mV/cell		Read/write
		40074	1.3.6.1.4.1.50811.101.xx.3.1.4.0	Max bulk timer	Maximum bulk duration timer. If this timer expires, the device transitions to absorption charge	8	1-24		h		Read/write
		40075	1.3.6.1.4.1.50811.101.xx.3.1.5.0	Min bulk timer	Minimum bulk duration timer	2	1-5		min		Read/write
		40077	1.3.6.1.4.1.50811.101.xx.3.1.7.0	Absorption voltage	Absorption voltage setting per cell	2375 [Lead] 1450 [NiCd] 3650 [Lilon]	2200-2500 [Lead] 1300-1550 [NiCd] 3400-3700 [Lilon]		mV/cell		Read/write
		40078	1.3.6.1.4.1.50811.101.xx.3.1.8.0	Max absorption timer	Maximum absorption duration timer. If this timer expires, the device transitions to float charge	8	1-24		h		Read/write
		40079	1.3.6.1.4.1.50811.101.xx.3.1.9.0	Min absorption timer	Minimum absorption duration timer	15	1-240		min		Read/write
		40080	1.3.6.1.4.1.50811.101.xx.3.1.10.0	Return Amperes to float	Return current value (% of maximum charge current) to go to float. Battery charge current level below which the device transitions from absorption to float charge	6	1-100		%		Read/write
		40081	1.3.6.1.4.1.50811.101.xx.3.1.11.0	Return amps timer	Return current timer to go to float. Timer enabled when the battery charge current remains below the return current value parameter (xx.3.1.10.0). When it expires, the device transitions to float charge	30	1-240		s		Read/write
		40082	1.3.6.1.4.1.50811.101.xx.3.1.12.0	Float voltage	Float voltage setting per cell	2230 [Open Lead] 2250 [AGM Lead] 2300 [GEL Lead] 1400 [NiCd] 3450 [Lilon]	2200-2450 [Lead] 1300-1550 [NiCd] 3400-3700 [Lilon]		mV/cell		Read/write
		40083	1.3.6.1.4.1.50811.101.xx.3.1.13.0	Force boost charge	If set to 1 during float charge, it forces a transition to bulk charge	0	0-1			write only 1	Read/write
		40084	1.3.6.1.4.1.50811.101.xx.3.1.14.0	Return to bulk voltage from float	Voltage (per cell) below which the device transitions from float to bulk charge	2000 [Lead] 1200 [NiCd] 3000 [Lilon]	1833-2133 [Lead] 1100-1280 [NiCd] 2750-3200 [Lilon]		mV/cell		Read/write
		40085	1.3.6.1.4.1.50811.101.xx.3.1.15.0	Return to bulk delay	Float-to-bulk transition delay after the battery voltage has been found lower than the return to bulk voltage level parameter (xx.3.1.14.0)	30	1-240		s		Read/write
		40090	1.3.6.1.4.1.50811.101.xx.3.1.24.0	Temperature compensation coefficient	The temperature compensation coefficient, expressed in (1/10) (mV/°C)/cell, that is applied to the charge voltage when the battery temperature sensor is connected. Not enabled for Lilon. When Lilon is selected, this parameter is read-only-zero	30 [Lead, no fast ch] 50 [Lead, fast ch] 25 [NiCd] 0 [Lilon]	0-100 [Lead, no fast ch] 0-100 [Lead, fast ch] 0-100 [NiCd] 0-0 [Lilon]	0,1	(mV/°C)/cell		Read/write
		40092	1.3.6.1.4.1.50811.101.xx.3.1.18.0	Lifetest enable	0 = Battery lifetest disabled, 1 = Battery lifetest enabled	0	0-1				Read/write
		40093	1.3.6.1.4.1.50811.101.xx.3.1.19.0	Max alarm temp	Battery overtemperature alarm threshold. If the battery temperature is higher than this value the bit 5 of the battery status alarm (xx.4.1.1.0) is set to 1	333 (+60°C)	293-333 (+20°C ... +60°C)		K		Read/write
		40094	1.3.6.1.4.1.50811.101.xx.3.1.20.0	Min alarm temp	Battery undertemperature alarm threshold. If the battery temperature is lower than this value the bit 5 of the battery status alarm (xx.4.1.1.0) is set to 1	253 (-20°C)	253-293 (-20°C ... +20°C)		K		Read/write
		40097	1.3.6.1.4.1.50811.101.xx.3.1.21.0	Low battery threshold	Low battery alarm threshold during backup (when mains is not present and the battery is buffering the load, therefore it is discharging)	1833 [Lead, CBI] / 2210 [Lead, CB] 1100 [NiCd, CBI] / 1325 [NiCd, CB] 2750 [Lilon, CBI] / 3312 [Lilon, CB]	1600-2290 [Lead] 950-1375 [NiCd] 2500-3437 [Lilon]		mV/cell		Read/write
		Device	40034	1.3.6.1.4.1.50811.101.xx.3.2.16.0	Load output off duration after PC shutdown	Duration of the time interval where the load output is kept deactivated prior to returning to charging if, during the PC shutdown, mains has become available again	20	2-300		s	
40041	1.3.6.1.4.1.50811.101.xx.3.2.17.0		Force PC shutdown	Writing the value 1, during backup, immediately triggers the shutdown of the PC	0	0-1			write only 1	Read/write	
40065	1.3.6.1.4.1.50811.101.xx.3.2.8.0		History clear all	Write 1 at any time to clear all the histories	0	0-1			write only 1	Read/write	
40066	1.3.6.1.4.1.50811.101.xx.3.2.1.0		Factory settings	Set the configuration parameters to the default value of the currently selected chemistry	0	0-1			write only 1	Read/write	
40088	1.3.6.1.4.1.50811.101.xx.3.2.3.0		Backup Inhibit	0 = Backup allowed, 1 = Backup not allowed	0	0-1				Read/write	

		40104	1.3.6.1.4.1.50811.101.xx.3.2.4.0	Time buffering	Time buffering setting in backup. If set to 0 the PC shutdown sequence is not carried out (buffering time unlimited). Expressed in seconds up to 60000 (=1000 minutes). Every unit above 60000 adds 1 minute, e.g. 60001 => 1001 minutes, up to 65000 => 6000 minutes or 100 hours.	0 (no time limit)	0-65000	s	above 60000 unit becomes min	Read/write	
		40111	1.3.6.1.4.1.50811.101.xx.3.2.15.0	PC power supply removal delay	Time between the PC shutdown-must-be-initiated alarm (xx.4.3.2.0, bit1 = 1) and the output load deactivation (irrespective of the mains presence)	60	0-65535	s		Read/write	
	Input	40036	1.3.6.1.4.1.50811.101.xx.3.3.4.0	Low AC input voltage alarm threshold	Bit 8...0 - AC input voltage level below which the low AC input voltage alarm (xx.4.3.1.0, bit 1) becomes active; Bit 14...9 - Reserved for future use; Bit 15 - Activate the "Mains or Backup" relay contacts 5 - 7 in the presence of mains when the Low AC Input voltage alarm (xx.4.3.1.0, bit 1) becomes active. (0 = disable, 1 = enable)	100	90-304 / 32858-33072	VAC	Setting bit 15 means adding 32768 to the desired AC voltage level	Read/write	
		40037	1.3.6.1.4.1.50811.101.xx.3.3.5.0	High AC input voltage alarm threshold	Bit 8...0 - AC input voltage level below which the high AC input voltage alarm (xx.4.3.1.0, bit 0) becomes active; Bit 14...9 - Reserved for future use; Bit 15 - Activate the "Mains or Backup" relay contacts 5 - 7 in the presence of mains when the High AC Input voltage alarm (xx.4.3.1.0, bit 0) becomes active. (0 = disable, 1 = enable)	277	91-305 / 32859-33073	VAC	Setting bit 15 means adding 32768 to the desired AC voltage level	Read/write	
		40118	1.3.6.1.4.1.50811.101.xx.3.3.6.0	AC input undervoltage and overvoltage alarm delay	Time delay to confirm that the AC input voltage is lower than the Low AC input voltage alarm threshold (xx.3.3.4.0) or higher than the High AC input voltage alarm threshold (xx.3.3.5.0)	15	5-600	s		Read/write	
	Communications	40107	1.3.6.1.4.1.50811.101.xx.3.4.1.0	Device switchoff delay	Delay of the device power off in backup after the battery voltage has been found lower than the deep-discharge battery prevention voltage parameter (xx.3.1.1.0)	10	1-240	s		Read/write	
		40001		Address of slave unit	Device modbus address. Must be unique on the bus. Refer to the Adelsystem MODBUS Technical Specification for further details.	1	1-247			Read/write	
		40002		Baud rate for serial communication	Baud rate of serial communication with the device, must be the same for all the devices on the same bus. Refer to the Adelsystem MODBUS Technical Specification for further details.	38400	4800 / 9600 / 19200 / 38400	bps		Read/write	
	Alarm	Battery	40003		Parity bit for serial communication	Parity bit of serial communication: 0 = No parity with 2 stop bits, 1 = Odd parity with 1 stop bit, 2 = Even parity with 1 stop bit, 3 = No parity with 1 stop bit. Must be the same for all the devices on the same bus. Refer to the Adelsystem MODBUS Technical Specification for further details.	2	0-3			Read/write
			40032	1.3.6.1.4.1.50811.101.xx.4.1.1.0	Battery status alarm	bit0 = Reversed polarity, bit1 = battery not connected, bit2 = internal cell shorted, bit3 = sulphated battery, bit4 = power boost, bit5 = battery temperature outside the battery temperature alarm thresholds set through the battery overtemperature (xx.3.1.19.0) and undertemperature (xx.3.1.20.0) threshold parameters, bit6 = unsupported chemistry setting, bit7 = bad battery cables or connection		0-65535		bitx=1-->alarm	Read only
40033			1.3.6.1.4.1.50811.101.xx.4.1.4.0	Battery State of Charge and State of Health alarm	bit 0: low state-of-health, internal resistance of the battery too high. It is not updated when the Manual SoH test is requested by writing 1 to the Manual SoH Request parameter (xx.5.1.11.0), bit5: unexpected battery resistance values: check cables, bit 7: low state-of-health by Manual SoH test, battery internal resistance is too high, bit 8: low state of charge, bit 11: SoH calculation not possible because no reference Rint value has been provided, bit 13: Rint and SoH calculations not possible because no cables resistance has been provided		0-65535		bitx=1-->alarm	Read only	
40035			1.3.6.1.4.1.50811.101.xx.4.1.2.0	Battery voltage alarm	bit0=High battery voltage; Alarm in the case of battery connected with nominal voltage Higher than the nominal Voltage setting, such as a 24V battery connected to a 12V device, bit1=low battery during backup (voltage lower than the low-battery voltage parameter xx.3.1.21.0), bit2=device was powered up by pressing the BATTERY START button with a battery almost flat (voltage lower than the deep-discharge battery prevention voltage, parameter xx.3.1.1.0), bit3=battery is recovering from deep discharge: load may not be powered correctly in the event of a mains failure		0-65535		bitx=1-->alarm	Read only	
40044		1.3.6.1.4.1.50811.101.xx.4.1.3.0	Battery temperature sensor failure	bit0 = battery temperature sensor is connected but faulty, bit1 = battery temperature sensor has been detached and is currently not connected		0-3		bitx=1-->alarm	Read only		
Device		40043	1.3.6.1.4.1.50811.101.xx.4.2.1.0	Device failure	bit0 = rectifier failure, bit 2 = device not calibrated, bit3 = lifetest not possible		0-15		bitx=1-->alarm	Read only	
		40047	1.3.6.1.4.1.50811.101.xx.4.2.2.0	On board temperature alarm	0 = Temperature inside the device ok; 1 = Temperature inside the device too high		0-3			Read only	
Input		40045	1.3.6.1.4.1.50811.101.xx.4.3.1.0	AC input voltage alarm	bit0 = high AC input voltage, bit1 = low AC input voltage. The high AC input voltage threshold is set using parameter xx.3.3.5.0; the low AC input voltage threshold is set using parameter xx.3.3.4.0. The alarm is activated after the AC input undervoltage and overvoltage alarm delay timer (xx.3.3.6.0) has expired		0-3			Read only	
		40046	1.3.6.1.4.1.50811.101.xx.4.3.2.0	Input mains on / backup	bit 0 = mains not available bit 1 = PC shutdown must be initiated		0-3		bitx=1-->alarm	Read only	
Log		Battery	40038	1.3.6.1.4.1.50811.101.xx.4.4.1.0	Load alarm	Short circuit or overload at the output load terminals		0-1			Read only
	41002			Parameter to be logged	Identifier of the parameter to be logged, expressed as the subtraction of 40001 from the holding register number of the parameter to be logged. Currently only the Measured battery internal resistance (Rint meas, HR40028) is supported, therefore only the value 27 can be written		27			Read/write	
	41003			Logging period	Logging period of the selected parameter. Writing this register clears the log	30	7-365	days		Read/write	
	41004			Age of the latest sample	The time that has passed since the latest sample has been collected		0-65535	days		Read only	
	41005			Number of samples in the log	The number of samples currently in the log		0-250			Read only	
	41007-41256		Logged values	The values currently stored in the non-volatile log. Prior to reading such values, always write the identifier of the logged parameter to HR41002. HR41007 always holds the oldest sample currently in the log. As long as the buffer is not full, new samples are stored to increasing holding addresses. When the buffer is full, the new sample is always stored to HR41256, the other stored samples are shifted to a lower holding address and the oldest sample is no longer available.		0-65535			Read only		
			(*) xx = 1...30: Modbus slave address of devices connected to DPY351; xx = 0: DPY351 xx = 300: standalone CBI								