

RESULTS of the TESTING CELLS:

INFORMATION ON CELLS		Delivered:				
Type of cells: IB:		EVIDA_12V LiFePO4 105Ah				
Temp. (°C):	25	Q(Ah)	Usk	Ucell k(V)	Fx	Cx (h)
Capacity C1:	104.0	C1	2.55	0.99	1	
Capacity C3:	104.3	C3	2.55	0.99	3	
Capacity C5:	105.0	C5	2.55	1.00	5	
Capacity C10:	105.8	C10	2.55	1.01	10	
Remarks: Number of bat./cells: Code bat./ cells:		EVIDA_Pečjak LiFePO4 4 * 3.2V=12.8V (5000mAh) 4*3.2V (4*7*3) US B9				
Mark cells:		12V (4*3.2V) cell LiFePO4 105Ah (1cell=5000mAh)				
12.05.17		Self discharge 13 days= 0.8 % C5 = 1.85% 1 month				

Key specifications:

Nominal capacity: 105Ah
Nominal voltage: 3.2V
Discharge cut-off voltage: 2.5 V
Maximum charging voltage: 3.6V +/-0.1X 4 14.40V



PROCENTAGE OF DISCHARGE CAPACITY

Date	25.04.17	26.04.17	27.04.17	28.04.17	11.05.17	12.05.17	13.05.17	15.05.17	0.00	0.00	0.00	0.00
Capacity:	C5	C5	C5	C1	C5	C5	C10	C3	C5	C1	C5	C5
Current (A)	21	21	21	103.95	21	21	10.58	34.78	21	103.95	21	21
Cycle:	1	2	3	4	5	6	7	8	9	10	11	12
Cx% 1	96.4	98.1	98.3	96.8	97.8	98.6	98.5	98.5				
Cx% 2	96.4	98.1	98.3	96.8	97.8	98.6	98.5	98.5				
Cx% 3	96.4	98.1	98.3	96.8	97.8	98.6	98.5	98.5				
Cx% 4	96.4	98.1	98.3	96.8	97.8	98.6	98.5	98.5				
V/c 1	2.775	2.770	2.769	2.645	2.772	2.770	2.788	2.748				
V/c 2	2.753	2.738	2.727	2.624	2.718	2.708	2.717	2.679				
V/c 3	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500				
V/c 4	2.707	2.697	2.692	2.591	2.664	2.666	2.690	2.639				

Cell Voltages at the end of discharge

Date:	Type of cells:	Version	First test			Last test C5			Last test C1			Remarks:	No.
			0.85Cs	1.00Cs	U _{TH} > 1.60 V	Min	Max	Average	Min	Max	Average		
25.04.17	EVIDA_12V LiFePO4 105Ah	DC	96.4	96.4	96.4	98.3	98.3	98.3	96.8	96.8	96.8	EVIDA_Pečjak LiFePO4 4 * 3.2V=12.8V (5000mAh)	V (4

REACHED END CAPACITY

