

Ni-Cd Aircraft Battery Cells



ASPILSAN Energy Ni-Cd aircraft batteries provide the quality requirements stipulated in the relevant standards, civil and military technical specifications.

Type	FP8HIC	FP12HIC	FP15HIC	FP17HIC	FP22HIC	FP25HIC	FP27HIC	FP40HIC	
Nato Stock Number (NSN)	6140 27 005 8070	6140 27 005 8069	6140 27 005 8068	6140 27 007 9953		6140 27 005 8067	6140 27 005 8066	6140 27 005 8065	
Nominal Voltage (V)	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	
Nominal Capacity (5hr) Ah	8	12	15	17	22	25	27	40	
Capacity (1hr) Ah	8	12	15	17	22	25	27	40	
Peak Power (kW)	5,2	9,2	11,5	11,8	14	15,7	18,8	22,5	
Charge	With 1CA current until the voltage of the cell reaches 1,55V, then with 0,2CA current for 2 hours or with 0,2CA current for 7 hours								
Final Charging Voltage	1,58V	1,58V	1,58V	1,58V	1,58V	1,58V	1,58V	1,58V	
Electrolyte	Potassium Hydroxide (KOH) (Density:1,28 kg/l)								
Output Socket	Bot-Nut M8							M10	
Dimensions (mm)	Weight	27	27	28	28,5	27	27	35,5	35,5
	Length	60	59	59	80	80	80,1	80	79,1
	Height	108	144,5	171,5	143,5	164,5	208,5	180	239
Weight (gr)	400	480	650	690	860	1100	1200	1550	
Applications		SIKORSKY	BLOCK30	F-4, RF-5	F-16		SF-2500	MI-17	CASA CN-235, C160
		BLOCKHAWK		T-38, AB-206	BLOCK 40-50		CASA C-212	MI-8	C-130,G-IV,CIT-7,B-212
		UH60-570		CESSNA 210I310					T-37,UH-1H, COUGAR
									AS-532 MA-32A



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Ni-Cd Aircraft Complete Batteries



Batteries generally have output voltage of 24V, obtained by connecting 20 cells in series, and an electrical capacity between 7Ah and 40 Ah.

Battery Type	Specifications	Cell		Nominal		Peak Power (kw)	Dimensions (mm)			Weight (Kg)	Output Connector	Application	
		NSN 6140 27...	Type	NSN 6140 27...	Voltage (V)		Capacity (Ah)	Width	Lengh				Height
F20/12HICT4		-	FP12HIC	005 8069	24	12	9,2	211	230	162	13	Special	F-16 (BLOCK30)
F20/7HICT4		005 8064	FP7HIC	005 8070	24	7	5,2	142	318,5	123,5	10,5	MSI8093	Sikorsky UH-60/70
F20/15HIC		005 8062			24	17	13	198	195	196	16,3		F-4,T-38,AB-206
F20/17HIC-2		-	FP17HIC	-	24	17	13	209	270	146	16,3		AB-206 (Jet/Long Ranger)
F20/17HICT-2		-			24	17	13	209	270	146	16,3	Special	AB-206 (Jet/Long Ranger)
F20/17HICT		-	FP17HICT-S	007 9953	24	12	227	264	162	18-20	Special	MSI8093	F-16 (BLOCK 40/50)
F20/25HICTF	IEC 952-1	005 8061	FP25HIC	005 8067	24	25	15,7	197	254	224	24,5	MSI8093	SF-2600 CASA CASA C-212,vb
F20/27HICM	IEC 952-2	005 8060	FP27HIC	005 8066	24	27	18,8	169	480	236	29	Special	MI-17,Mi8
FI9/40HIC	MIL-B-26220C	007 0699			24	22,8	21,3				35		C-130 (Hercules)
F20/40HIC	MIL-STD-810C BS 3G 205 VG 95238T2	005 3805	FP40HIC	005 8065	24	40	22,5	247	253	262	36,5	MSI8093	C-160, CIV-4,B212, T-37, CIT-7 UH-1H MA-32A, Cessna Challenger etc.
F20/40HICT-2	TS EN 2570	005 8058			24	40	22,5	210	420	267	38	BAC102	Casa Cn-235
F20/40HICEIWT (H)		8059			24	40	22,5	247	251,5	262	37	MSI8093	COUGAR AS-532,SUPER PUMA
F20/40HICT-2KT-IT			FP40HIC		24	40	22,5	247	251,5	262	37	MSI8093	KT-IT
F20/22HICT		-	FP22HIC		24	22	13,8	165	309	180	21	MSI8093	Anka Uav
ASPF20/27HIC		-			24	27	18,8	247	255	201	28	MSI8093	Civil Aviation
F20/27HICT		-	FP27HIC		24	27	18,8	247	257	201	29	MSI8093	C-130 (Hercules)



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