

Formula Hybrid Acumulator Data - 4/19/2010

**BATTERIES**

Manufacturer	Technology	Part Number	Capacity (Ah)	Nom. Voltage	Energy (Wh)	FH Price	Comments
A123	Lithium-ion NanoPhosphate	26650	2.3	3.3	6.072E+00	N/A	Available only in Dewalt Power Pack
ALEES	LiFePO4-zM'O	A9843128	3.6	3.2	9.216E+00	\$11.60	** / *
Align	LiPo	HBP26001	2.6	22.2	4.618E+01	\$137.99	*
Hawker Enersys	Lead Acid	G13EP	13	12	1.248E+02	\$107.40	
Hawker Enersys	Lead Acid	G26EP	26	12	2.496E+02	\$156.23	
Hawker Enersys	Lead Acid	NP33-12B	33	12	3.168E+02	\$65.00	*
Headway	LiFePo4	38120S	10	3.2	2.560E+01	\$16.25	
HiPower	LiFePo4	LS50HPB	50	3.2	1.280E+02	\$60.00	*
Hyperion	LiPo	LG325-5000-6S	5	22.2	8.880E+01	\$187.50	
Imax	Li-Polymer	3e Model 1203	2.2	3.7	6.512E+00	\$6.25	
Johnson Controls	Lead Acid	8012-021	55	12	5.280E+02	\$199.95	** / *
Johnson Controls	Lithium-ion	VL 6 P	6.5	3.6	1.872E+01	\$55.00	
Kokam	LiPo	SLPB100216216H	40	3.7	1.184E+02	\$172.99	
Lithium Technology Corp.	Lithium-Ion	45 Ah HP-602050	45	3.6	1.296E+02	\$300.00	
Molicel	Lithium-ion	IMR-26700	2.9	3.8	8.816E+00	\$8.80	
Nilar	NiMh	MB-3.6-12-C	10	48	3.840E+02	\$399.00	** / *
Odyssey	Lead Acid	PC1200	44	12	4.224E+02	\$131.15	
Odyssey	Lead Acid	PC310	8	12	7.680E+01	\$147.77	
Odyssey	Lead Acid	PC625	18	12	1.728E+02	\$61.71	
Panasonic	NiMh	PCPM?	6.5	7.2	3.744E+01	N/A	Availiable only in Prius Module
Power Sonic	Lead Acid	PS-12400	40	12	3.840E+02	\$126.57	
Samsung	Lithium -Ion	ICR18650-24B	2.4	3.7	7.104E+00	\$4.95	
Siduo	Lithium Polymer	LHC4820	20	50.4	8.064E+02	\$959.84	
Superior Matching Concept	Lithium Polymer	CMAx	6	14.8	7.104E+01	\$295.00	** / *
Tenergy Battery Corp.	Lithium Polymer	9073163	10	3.7	2.960E+01	\$44.42	
Thunder Sky	LiFeYPO4	TS-LFP40AHA	40	3.3	1.056E+02	\$65.00	** / *
Traxxas	Ni-Mh	TRX2950	3	8.4	2.016E+01	\$37.50	** / *
Venom	LiPo	15020	5	3.7	1.480E+01	\$87.25	** / *
Vortex	Ni-MH	94117	3	7.2	1.728E+01	\$22.00	** / *
Vortex	Ni-MH	94118	1.8	7.2	1.037E+01	\$19.00	** / *
Werker	Lead Acid	WKA-333	33	60	1.584E+03	\$64.99	** / *

**CAPACITORS**

Manufacturer	Technology	Part Number	Capacity (F)	Max. Voltage	Energy (Wh)	FH Price	
ESMA	Capacitor	EC501	6000	1.5	1.856E+00	\$90.89	
ESMA	UltraCapacitor	EC503	7200	1.5	2.228E+00	\$73.40	**
Maxwell Technologies	Ultracapacitor	BCAP1500	1500	2.7	1.504E+00	\$39.43	
Maxwell Technologies	Ultracapacitor	BCAP3000	3000	2.7	3.007E+00	\$95.99	
Maxwell Technologies	Ultracapacitor	BMOD0165 P048	165	48	5.227E+01	\$2,138.00	*
Maxwell Technologies	Ultracapacitor	BMOD0430	430	16.2	1.552E+01	\$675.92	
Maxwell Technologies	Ultracapacitor	MC2600	2600	2.7	2.606E+00	\$67.20	

**MODULES**

Manufacturer	Part Number	Quantity	Cell Mfg.	Cell Part No.	Total Wh	FH Price	
Dewalt/A123 Cells	DC9360	10	A123	ANR26650	6.072E+01	\$160.00	36V pack only
Milwaukee Tool	48-11-2830	7	Molicel	IMR-26700A	6.510E+01	\$144.17	
Toyota Prius	G9510-47020	38	Panasonic	PCPM?	1.423E+03	\$2,985.13	
Zero Motorcycle	N/A	168	Molicel	IMR-26700A	1.481E+03	\$1,478.40	

\*\* Data Unverified \* Pricing Unverified