

Ni-MH batteries

Super High Energy and High Energy Back-up VH / VHT / VHT U series

ARTS Energy's VH super high energy and VHT long life back-up Ni-MH series are designed for professional applications that demand fast charge and discharge capability over a prolonged lifetime. VH Cs, VH D and VH F are designed

specifically for high energy density applications requiring fast charge and high discharge rate (50 A) and target cordless power tools, personal mobility and many other professional applications. The VHT series have been engineered

for very long life (1000 - 2000 cycles) in extreme range of temperatures and target back-up, medical, small off-grid photovoltaic and other applications requiring cycles. The VHT U series are designed for + 55°C ELU applications.

	ARTS Energy type		IEC capacity at 0.2C rate		Standard charge (16h)	Quick or fast charge		Typical internal impedance	Max. dimensions for bare cells		Typical weight
	Nominal voltage 1.2 volts/cell	Top	Typical [mAh]	Minimum [mAh]	Current [mA]	Current [mA]	Time [h]	[mOhm]	Diameter [mm]	Height [mm]	[g]
VH	VH AAA	L	680	650	65	650	1	50	10.5	43.7	13
	VH AA 1500	L	1500	1400	140	1400	1	20	14.0	49.3	26
	VH AA 1700	L	1700	1600	160	1600	1	20	14.0	49.3	26
	VH 4/3 A	L	3750	3700	370	2000	1-2	20	17.0	67.0	53
	VH Cs 3200 XL	L	3200	3000	300	3000	1-2	4	22.0	42.7	58
	VH D 9500 XP	L	9500	9000	900	5000	2-3	3	32.2	58.6	168
	VH F XP	L	1530	1450	1500	5000	3-4	3	32.2	89.2	252
VHT	VHT AA	L	1150	1100	110	370	3	18	14.0	49.3	24
	VHT Cs	L	2200	2000	200	670	3	5	22.0	42.7	48
	VHT 7/5 Cs	L	4200	4000	400	1330	3	20	22.0	60.0	74
	VHT D	L	6450	6000	600	2000	3	4	32.2	58.6	135
	VHT F	L	11000	10000	1000	3350	3	5	32.2	89.2	215
VHT U	VHT AA U	L	1150	1100	110	intermittent charge		18	14.0	49.3	24
	VHT Cs U	L	2200	2000	200	intermittent charge		5	22.0	42.7	48
	VHT 7/5 Cs U	L	4200	4000	400	intermittent charge		20	22.2	60.0	74

