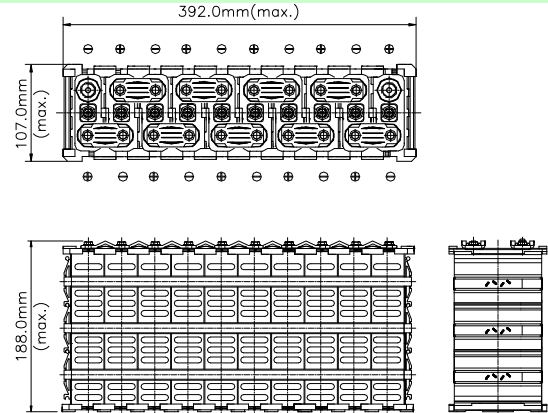
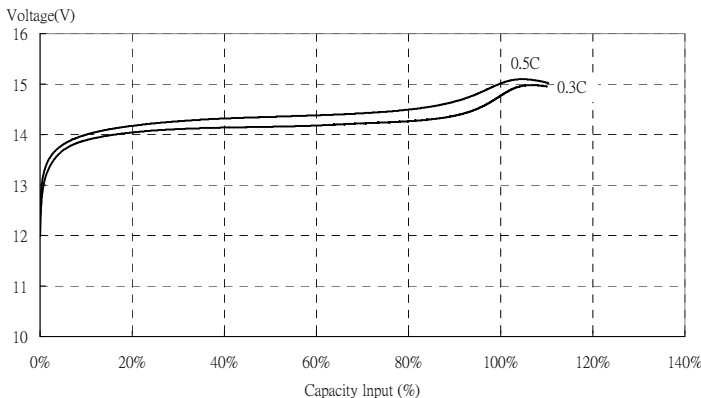


Type	: Rechargeable Nickel Metal Hydride Prismatic Batteries
Nominal Dimension	: H = 188mm L = 392mm W = 107mm
Nominal Voltage	: 12V
Capacity	: 78Ah at 40A (0.5C) discharge to 10V/Module at 20°C
Specific Energy	: 45Wh/kg at 0.5C discharge
Specific Power	: 213W/kg with 80% SOC at 5C 30 sec.
Energy density	: 114Wh/L at 0.5C discharge
Power density	: 546W/L with 80% SOC at 5C 30sec.
Charging Current	: 16A (0.2C) to 40A (0.5C) recommended
Charging Termination (Consult GP for other charging conditions)	: $-\Delta V$: 0mV/cell to 10mV/cell TCO : 45°C Timer : 100% nominal capacity input
	The above 3 charge termination controls must be used concurrently
Max. Charging Temp.	: Cell temperature must not exceed 45°C
Max. Charging Current	: 80A (1C) continuous (Consult GP for high current fast charge)
Max. Discharge Current	: 160A (2C) continuous 400A (5C) pulse for 5s
Service Life	: >1500 cycles (80%DOD at 1C)
Weight	: ~21 kg
Internal Resistance	: <10mΩ
Ambient Temperature Range	: Charge : 0 to 45°C (conditionally) Discharge : -20°C to 50°C (conditionally) Storage : -20 to 35°C

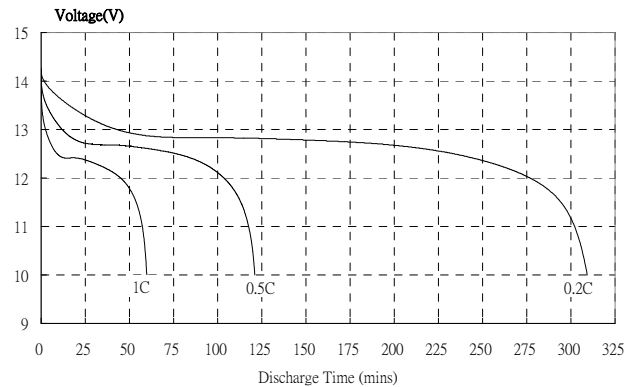
Model No.: 10/GP80EVS



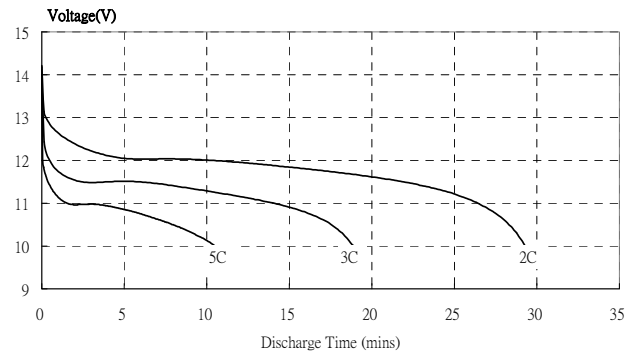
Charging Characteristics at 20°C



Low C-rate Discharge at 20°C



High C-rate Discharge at 20°C



ERS0219 rev.1

The above information is generally descriptive only and is not intended as guarantee or warranty. Cell and battery specifications are subject to change without notice. All descriptions or warranties are contained solely in specification sheets accompanying outside those described in this document.