



PRODUCT DATA SHEET

EVB TECHNOLOGY (HK) LTD. Member Gold Peak Group

scan QR code for product manual in PDF

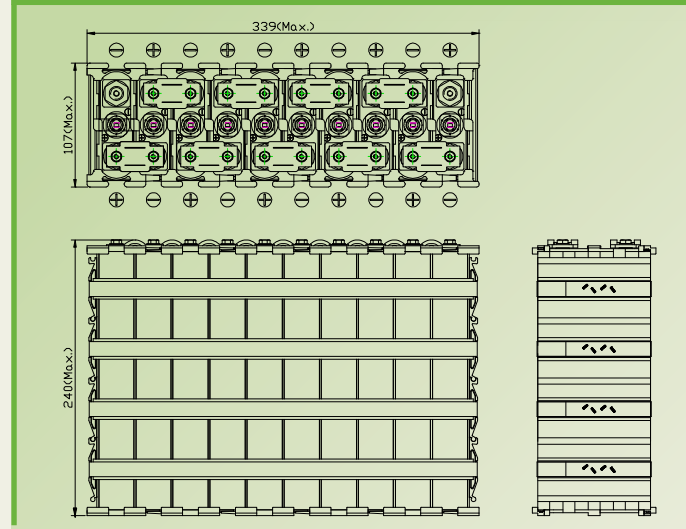
or visit www.evbtech.com/resources



10GP30EVLV

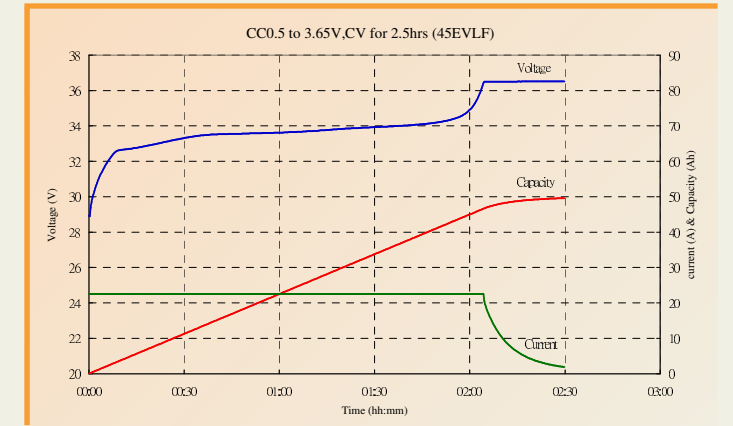


DIAGRAM

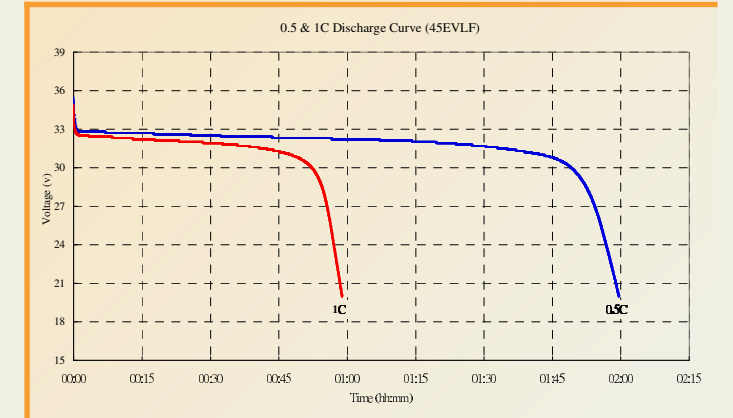


10GP45EVLV — DIAGRAM REF #

CHARGING CHARACTERISTICS AT 20°C



LOW RATE DISCHARGE AT 20°C



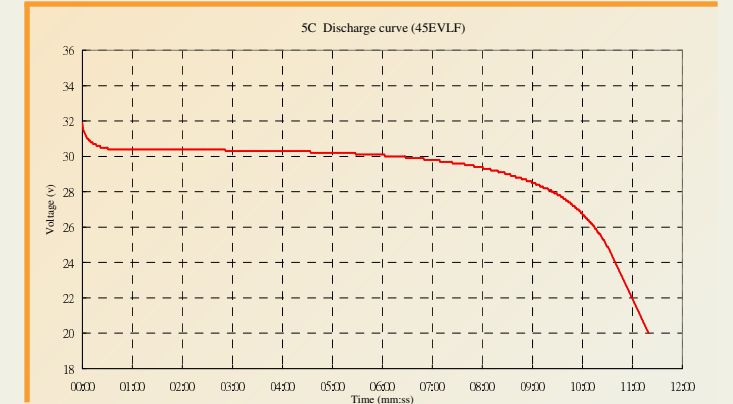
TECHNICAL SPECIFICATIONS

Type	Rechargeable Lithium Ferro Phosphate Prismatic Batteries
Nominal dimension	L = 339mm H = 240mm W = 107mm
Nominal voltage	32 V
Capacity	Min. 42Ah at 22.5A (0.5C) discharge to 20V/Module at 20°C
Specific energy	90Wh/kg at 0.5C discharge
Specific power	429W/kg with 80% SOC at 5C 30sec.
Energy density	155Wh/L at 0.5C discharge
Power density	740W/L with 80% SOC at 5C 30sec.
Charging method	22.5A (0.5C) to 36.5V for 2.5hrs at 20°C
Charging termination control	Taper Current 0.05C (2.3A) at 36.5V

Max. charging current	45A (1C) continuous (consult GP for high current fast change)
Max. discharge current	225A (5C) continuous 450A (10C) pulse for 5s
Service life	>1500 cycles (80%DOD at 1C)
Weight	~15kg
Internal resistance	<20mΩ
Ambient temperature Range	Charge: 0 to 45°C (conditionally) Discharge: -20°C to 50°C (conditionally) Storage: -20°C to 35°C
ISO document #	ERS1202 Rev. 02/0912
Safety certificate	UN 38.3, UL

Note: Clamping is necessary during charge and discharge for unit cell.

HIGH RATE DISCHARGE AT 20°C



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