



FHP 12-120

PHYSICAL SPECIFICATION

Nominal Voltage		12V
Nominal Capacity (20Hr)		120Ah
Dimensions	Length	407 ±2mm
	Width	174 ±2mm
	Box Height	209 ±2mm
	Total Height	238 ±2mm
Drawing n°400263-0		Weight 38,0 Kg ±5%
Standard Terminal		Bolt Type: M8
		<p>Bolt-and-nut terminal Bolt Type:M8</p> <p>(in mm)</p>

ELECTRICAL SPECIFICATION

Characteristics		Discharge curves @ 20°C
Rated Capacity	20 hours rate 1,8Vpc at 20°C 120,00Ah 10 hours rate 1,8Vpc at 20°C 100,00Ah 5 hours rate 1,7Vpc at 20°C 91,50Ah 3 hours rate 1,7Vpc at 20°C 85,53Ah 1 hour rate 1,6Vpc at 20°C 77,10Ah	<p>Discharge Characteristics(25°C/77 °F)</p>
Capacity affected by temperature	40°C 102% 20°C 100% 0°C 85%	
Internal Resistance	4 mΩ ±10% SCC 3200 A ±10%	
Constant Voltage Charge	Cycle use: Initial Charging Current less than 36 A Voltage 14,70~15,00V at 20°C Temperature Coefficient -30 mV/°C Stand-by use: No limit on Initial Charging Current Voltage 13,60~13,80V at 20°C Temperature Coefficient -20 mV/°C	

Constant Current (Amp) and Constant Power (Watt/cell) Discharge Table at 20°C

Final V./Time		5min	10min	15min	20min	30min	45min	60min	90min	2hours	3hours
9.9V	A	426,49	281,02	211,92	149,23	124,95	93,83	75,15	45,38	39,42	29,59
	W	743,52	537,12	436,56	372,36	246,24	193,38	152,74	116,10	85,56	60,45
10.2V	A	379,26	259,77	199,45	141,70	120,75	89,10	71,94	43,93	38,02	28,51
	W	690,13	512,26	429,62	364,44	239,86	187,08	149,89	113,94	83,72	59,74
10.8V	A	304,38	233,15	178,08	125,40	105,00	78,85	64,23	41,30	35,20	26,90
	W	567,40	440,00	382,00	324,00	228,00	177,24	140,08	108,00	79,18	58,10