



FHP 12-75

PHYSICAL SPECIFICATION

Nominal Voltage		12V	Stationary block sealed VRLA Box Material: ABS black color FV0 (UL94 V-0) Lid Material: ABS black color FV0 (UL94 V-0) Positive and negative flat plates with casted grids Pb/Ca/Sn Technology AGM VRLA regulated with valves (a valve per each cell) Standards: CEI EN 60896 Parts 21 and 22 Temperature exercise: -20°C +50°C Design Life : >10years (at 20°C)
Nominal Capacity (20Hr)		80Ah	
Dimensions	Length	259 ±2mm	
	Width	168 ±2mm	
	Box Height	214 ±2mm	
	Total Height	218 ±2mm	
Technical Drawing n°400262-0		Weight 24,1 Kg ± 5%	
Standard Terminal		Bolt Type: M6	
			<p>Bolt-and-nut terminal Bolt Type:M6</p> <p>(in mm)</p>

ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 20°C (77 °F)		
Rated Capacity	20 hour rate	1,8Vpc at 20°C	80,00Ah		
	10 hour rate	1,8Vpc at 20°C	75,00Ah		
	5 hour rate	1,7Vpc at 20°C	66,50Ah		
	3 hour rate	1,7Vpc at 20°C	55,59Ah		
	1 hour rate	1,6Vpc at 20°C	52,60Ah		
Capacity affected by temperature	40°C		102%		
	20°C		100%		
	0°C		85%		
Internal Resistance 6 mΩ±10%		SCC 2000 A ±10%			
Constant Voltage Charge	Cycle	Initial Charging Current less than 22,5A Voltage 14,70~15,00V at 20°C Temperature Coefficient -30 mV/°C			
	Standby	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

Time		5min	10min	15min	20min	30min	45min	60min	90min	2hour	3hour
9.90V	A	218,77	165,68	131,74	97,00	81,22	60,99	48,85	26,90	25,63	19,23
	W	390,66	301,74	271,49	232,73	148,23	127,74	90,83	72,56	61,60	37,79
10.2V	A	196,76	149,86	123,64	92,11	78,49	57,92	46,76	25,95	24,71	18,53
	W	356,16	285,96	265,96	229,03	144,39	124,43	89,14	71,21	60,45	37,35
10.8V	A	162,60	130,56	114,75	81,51	68,25	51,25	41,75	23,60	22,88	17,49
	W	303,4	274,50	252,06	217,50	137,25	118,28	84,50	67,50	57,30	36,77