



FHP 12-75

PHYSICAL SPECIFICATION

Nominal Voltage		12V		Stationary block sealed VRLA Box Material: ABS dark grey color FV0 (UL94 V-0) Lid Material: ABS dark grey color FV0 (UL94 V-0) Positive and negative flat plates with casted grids Pb/Ca/Sn Technology AGM VRLA Standards: CEI EN 60896 Parts 21 and 22
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 25,5 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	<p>Discharge Characteristics(25°C/77 ° F)</p>	
	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	277,87	182,66	137,74	97,00	81,22	60,99	48,85	26,90	25,63	19,23
	W	502,65	340,74	280,39	232,73	148,23	127,74	90,83	72,56	61,60	37,79
10.2V	A	258,87	168,85	129,64	92,11	78,49	57,92	46,76	25,95	24,71	18,53
	W	479,16	324,96	275,94	229,03	144,39	124,43	89,14	71,21	60,45	37,35
10.8V	A	237,50	153,50	115,75	81,51	68,25	51,25	41,75	23,60	22,88	17,49
	W	450,00	304,50	262,05	217,50	137,25	118,28	84,50	67,50	57,30	36,77