



FHP 12-42

PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (20Hr)		12V 42Ah	Tecnologia: AGM VRLA Lega: Piombo-calcio-stagno a griglia impastata Tipologia piastre: piane Temperatura di funzionamento: da -10 a +50 °C Batteria sigillata senza manutenzione Valvole di sicurezza Dispositivo antifiamma (corindone) Separatori microporosi in fibra vetro a bassissima resistenza Autoscarica <2% mese
Dimensions	Length	198 ±2mm	
	Width	166 ±2mm	
	Box Height	172 ±2mm	
	Total Height	172 ±2mm	
Drawing n°400252-0		Weight 14,5 Kg ± 5%	
Standard Terminal		Bolt Type: M6	
			Bolt-and-nut terminal Bolt Type:M6
			(in mm)

ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 25°C (77 °F)	
Rated Capacity	20 hour rate	42,00Ah		
	10 hour rate	37,00Ah		
	5 hour rate	33,85Ah		
	3 hour rate	31,65Ah		
	1 hour rate	29,94Ah		
Capacity affected by temperature	40°C	102%		
	20°C	100%		
	0°C	85%		
Internal Resistance 7 mΩ±10%		SCC 1300 A ±10%		
Constant Voltage Charge	Cycle use	Initial Charging Current less than 10,5A Voltage 14.70~15.00V at 20°C Temperature Coefficient -30 mV/°C		
	Standby 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 25°C

Final V./Time		5min	10min	15min	20min	30min	45min	60min	90min	2hour	3hour
9.90V	A	158,17	103,98	78,41	55,21	46,23	34,72	27,81	15,31	14,59	10,95
	W	313,70	212,13	173,63	139,79	97,50	76,73	60,54	43,59	37,00	22,70
10.2V	A	147,36	96,11	73,80	52,43	44,68	32,97	26,62	14,77	14,07	10,55
	W	299,04	202,31	170,87	137,57	94,97	74,74	59,41	42,77	36,31	22,44
10.8V	A	135,19	87,38	65,89	46,40	38,85	29,17	23,77	13,43	13,02	9,95
	W	280,84	189,57	162,27	130,65	90,28	71,04	56,31	40,55	34,42	22,08