



VRLA Battery **SPHR 12-420W**

Specifications	Nominal Voltage	12 V				
	Rated Capacity (20 °C)	10min Rate (1,60V/cell)	15min Rate (1,60V/cell)	10hr Rate (1,80V/cell)	5hr Rate (1,70V/cell)	1hr Rate (1,60V/cell)
		420 W/cell	333 W/cell	89 Ah	82 Ah	68 Ah
	Dimensions (mm) & Weight (kg)	Length	Width	Height	Overall Height	Weight
		306mm	169mm	208mm	214mm	30,00 kg
	Number / Type of Terminals	2 / M6				

Technical Characteristics

Design Life at 20°C	10 years
Internal Resistance (Fully charged - 20 °C)	4,2 mΩ
Short-circuit current	2400 A
Max Charging Current	27 A
Min safe end Discharge Voltage	1,60 V/cell
Self discharge per month at 20°C	3%
Recommended Charging Voltage at 20°C	Stand-by use (V/cell): 2,25 to 2,30 Cycle use (V/cell): 2,40 to 2,45
Container Material	ABS-UL94 HB
Electrolyte Type	Sulfuric Acid
Type of plates / Alloy	Flat plates / Lead-Calcium-Tin alloy
Type of Separator	Absorbant Glass Mat
Valve Type / Operational Pressure	Rubber / 1-3 psi (70-200 mbar)
Operating Temperature Range	-20 to +50°C
Storage time at 20°C	9 months

