

Phaesun Solar Gel Batteries



Technical Data				
Electrical Parameters	PNGB 12900	PNGB 121100	PNGB 121800	PNGB 122300
Nominal Voltage [V]	12	12	12	12
Nominal Capacity C100(100H at 25°C) [Ah]	90	105	180	230
Nominal Capacity C10(10H at 25°C) [Ah]	80	100	150	200
Capacity Affected by Temperature	30 °C: 105%, 25°C: 103%, 10°C: 95%, -10°C: 78%			
Maximum Discharge Current [A]	320	400	600	800
Internal Resistance (25°C full charge) [max. mOhm]	4.0	3.5	2,8	2.5
Self-Discharge Current (20°C):				
after 1 month [%]	5			
after 3 month [%]	10			
after 6 month [%]	15			
Weight Efficiency (10hr rate) [Wh/kg]	28.5	34.29	32.72	35.29
Volume Efficiency (10hr rate) [Wh/L]	81.1	86.21	61,53	82.05
Max. Short-Duration Discharge Current [A]	1440	2000	2700	3600
Housing Material (Container/Cover)	ABS resin or optional flame retardant (UL94-Vo/L.O.I over 29)			
Hardware	M8 x L25 or optional 3/8 x L25(30) Bolt/Nut			
Elektrolyte	Fixed in AGM separator			
Constant Voltage Charge Stand-by Use	Voltage 13.50 ~ 13,80V (C°20) Max. current No limit			
Constant Voltage Charge Cyclic Use	Voltage 14,40 ~ 15,00V (C°20)			
Max. current by Cyclic Use [A]	32.00	40.00	60.00	80.00
Life Expectancy Stand-by Use (20°C) [Years]	7 ~ 10			
Life Expectancy Cyclic Use	100% DOD 260 cyle, 50% DOD 600 cycle, 30% DOD 1200 cycle			
Weight [kg]	33.7	35.0	55.0	68,0
Dimensions (l*w*h) [mm]	332x174x239	332x174x239	500x260x225	500x260x225
Terminal	Typ C			
Article No.	104.790	104.791	104.793	104.794

Technical alterations can be made without prior notice. Illustrations and descriptions do not claim to be complete.
© Copyright January 2016 Phaesun GmbH, Memmingen/Germany. All rights reserved.