GP Batteries

Data Sheet — *Model No.: SS105*

Model No.	:	SS105
For cranking use with	:	12V / 24V gasoline and diesel engines
Casing Material	:	ABS
Color	:	Yellow
Battery Type	:	24 cells of 9/5 Sub-C Size Lead Acid TMF (Thin Metal Film) batteries, 13 cells of NiMH AA size rechargeable batteries (built-in) for warning alarm & 2 weeks back up charge of TMF pack; external 13 D size alkaline batteries welded in series for 6 months storage backup charge before sales. The 13 cells of NiMH AA size rechargeable batteries give the TMF batteries float charge while the unit is disconnected from the wall adaptor continuous charging.
Nominal Voltage	:	12V / 24V (user selectable)
Maximum Discharge Current	:	2000A / 1000A
Peak Current	:	6000A / 3000A
Nominal Capacity	:	4Ah / 2Ah
Wall Adaptor	:	Input: 100~240Vac 50/60Hz Auto Switching Output: 24Vdc 2.5A
Recharge after cranking	:	Recharge the unit as soon as possible after cranking.
Maintenance of the built-in batteries	:	Always charge the unit with the wall adaptor continuously when not in use. Due to its self discharge, the high power TMF battery will be rapidly damaged without any top up charge or continuous float charge with the wall adaptor for longer than 2 weeks. The product warranty shall not cover such abuse.
Operating Temperature Range (Recommended)	:	20 to 25 °C (for optimum life; however it can be operated at temperature of -20 to 50°C. Operation at higher or lower temperature will affect battery life or performance).
Storage Temperature Range	:	-20 to 25 °C (with alkaline batteries back up)
Net Weight	:	5.5 Kg
Dimension	:	Length 340mm x Width 118mm x Height 287mm
Cable size	:	$16mm^2$.
Cable length	:	1.4m
Charge Duration	:	At least 4 hours continuous charging. Recommended to plug to the wall adaptor for continuous float charge when not in used.
LED charge/Fuel Gauge Indicator:		
- When charging	:	**RED** - FAST Charging
		GREEN - SLOW Charging (ready)
- When storage (push button)	:	**RED** - Immediately recharge
	:	**GREEN** - Ready to jumpstart
Safety	:	Do not allow both the positive (Red) and negative (Black) clamps to come into contact as severe sparks may cause personal injury.

Actual performance characteristics may vary depending on vehicle, environmental conditions, operation and care.