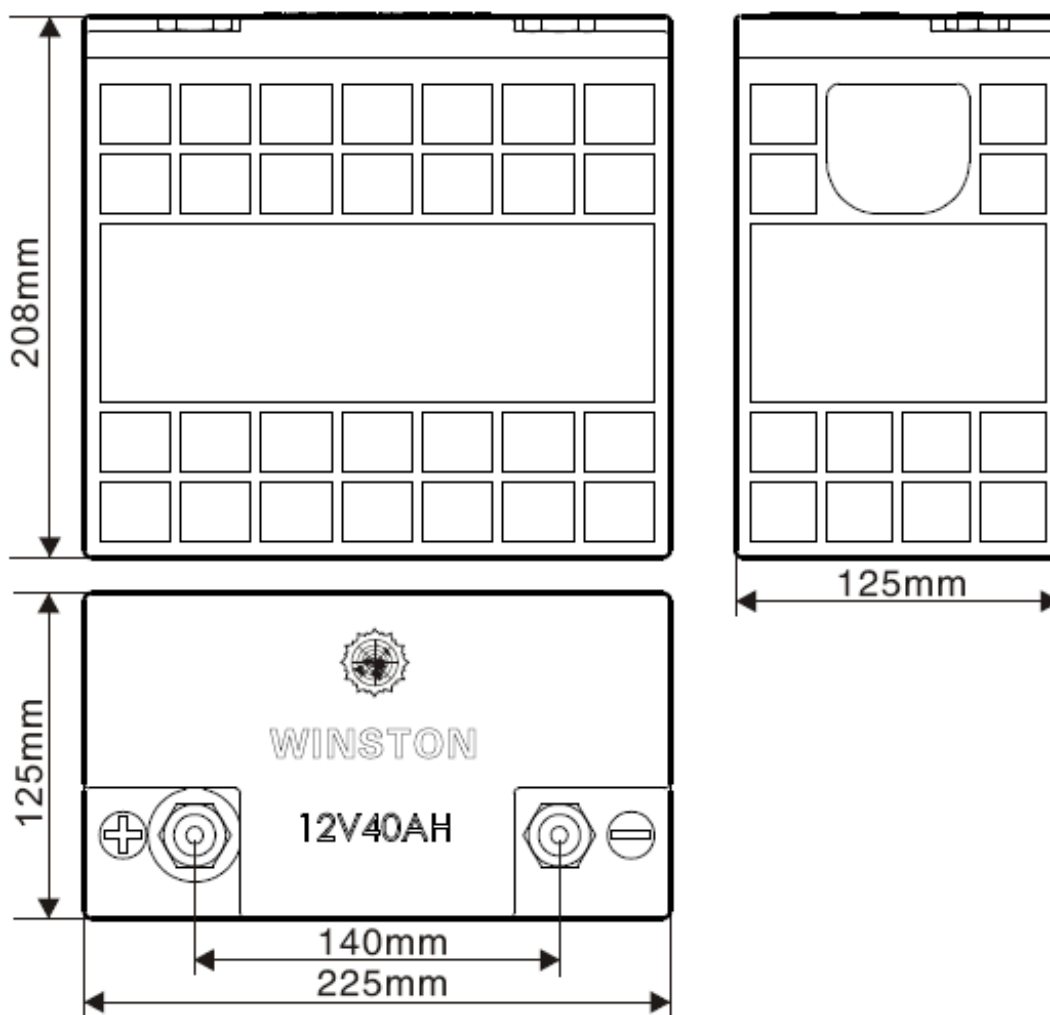


LP12V40AH+ (WB-LP12V40AH)



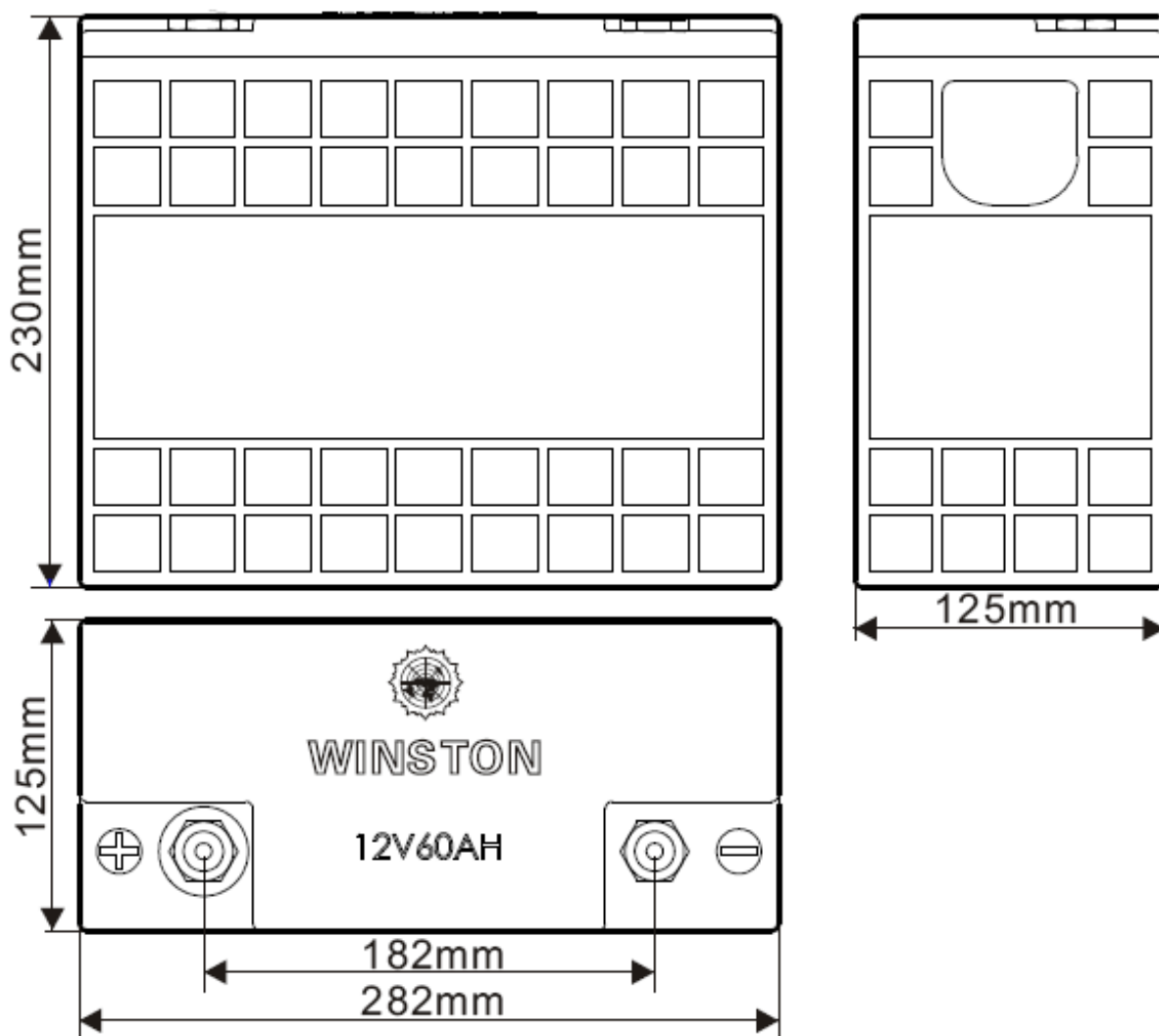
Model name	LP12V40AH+	Older product marking TS-LP12V40AH
Nominal voltage	12 V	Operating voltage under load is 12.0 V
Capacity	40 AH	+/- 5%
Operating voltage	max 16.0V - min 11.0V	At 80% DOD
Deep discharge voltage	10 V	The cells is damaged if voltage drops bellow this level
Maximal charge voltage	16 V	The cells is damaged if voltage exceeds this level
Optimal discharge current	< 20 A	0.5 C
Maximal discharge current	< 40 A	1 C, continuous for max 30 minutes from full charge
Max peak discharge current	< 400 A	10 C, maximal 10 seconds in 1 minute
Optimal charge current	< 20 A	0.5 C
Maximal charge current	< 40 A	< 1 C with battery temperature monitoring
Maximal continuous operating temperature	80 °C	The battery temperature should not increase this level during charge and discharge
Dimensions	225 x 208 x 125	Millimeters (tolerance +/- 2 mm)
Weight	9 kg	Kilograms (tolerance +/- 150g)



LP12V60AH+ (WB-LP12V60AH)



Model name	LP12V60AH+	Older product marking TS-LP12V60AH
Nominal voltage	12 V	Operating voltage under load is 12.0 V
Capacity	60 AH	+/- 5%
Operating voltage	max 16.0V - min 11.0V	At 80% DOD
Deep discharge voltage	10 V	The cells is damaged if voltage drops bellow this level
Maximal charge voltage	16 V	The cells is damaged if voltage exceeds this level
Optimal discharge current	< 30 A	0.5 C
Maximal discharge current	< 60 A	1 C, continuous for max 30 minutes from full charge
Max peak discharge current	< 600 A	10 C, maximal 10 seconds in 1 minute
Optimal charge current	< 30 A	0.5 C
Maximal charge current	< 60 A	< 1 C with battery temperature monitoring
Maximal continuous operating temperature	80 °C	The battery temperature should not increase this level during charge and discharge
Dimensions	283 x 230 x 125	Millimeters (tolerance +/- 2 mm)
Weight	13 kg	Kilograms (tolerance +/- 150g)



GWL/ Power Group Technology Solutions - Stay Powered for the Future

LP12V90AH+ (WB-LP12V90AH)



Model name	LP12V90AH+	Older product marking TS-LP12V90AH
Nominal voltage	12 V	Operating voltage under load is 12.0 V
Capacity	90 AH	+/- 5%
Operating voltage	max 16.0V - min 11.0V	At 80% DOD
Deep discharge voltage	10 V	The cells is damaged if voltage drops bellow this level
Maximal charge voltage	16 V	The cells is damaged if voltage exceeds this level
Optimal discharge current	< 45 A	0.5 C
Maximal discharge current	< 90 A	1 C, continuous for max 30 minutes from full charge
Max peak discharge current	< 1000 A	10 C, maximal 10 seconds in 1 minute
Optimal charge current	< 45 A	0.5 C
Maximal charge current	< 90 A	< 1 C with battery temperature monitoring
Maximal continuous operating temperature	80 °C	The battery temperature should not increase this level during charge and discharge
Dimensions	283 x 248 x 155	Millimeters (tolerance +/- 2 mm)
Weight	15 kg	Kilograms (tolerance +/- 150g)

