

# LP12V90AH+ battery specification



Model name	LP12V90AH+	Alternative product marking TS-LP12V90AH
Nominal voltage	12 V	Operating voltage under load is 12.0 V
Capacity	90 AH	+/- 5%
Operating voltage	max 15.5V - min 11.5V	At 80% DOD
Deep discharge voltage	11 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	< 270 A	3 C, continuous for max 30 minutes from full charge
Max peak discharge current	< 900 A	10 C, maximal 10 seconds in 1 minute
Optimal charge current	< 45 A	0.5 C
Maximal charge current	< 270 A	< 3 C with battery temperature monitoring
Maximal continuous operating temperature	80 °C	The battery temperature should not increase this level during charge and discharge
Dimensions	282 x 248 x 155	Millimeters (tolerance +/- 2 mm)
Weight	15 kg	Kilograms (tolerance +/- 150g)

