

# LP12V40AH+ battery specification



Model name	LP12V40AH+	Alternative product marking TS-LP12V40AH
Nominal voltage	12 V	Operating voltage under load is 12.0 V
Capacity	40 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	< 20 A	0.5 C
Maximal discharge current	< 120 A	3 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	< 120 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	225 x 208 x 125	Millimeters (tolerance +/- 2 mm)
Weight	8,3 kg	Kilograms (tolerance +/- 150g)

