



Universal LFP 48V battery system

The perfect all-rounder designed
to ensure maximum device compatibility

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Technical specifications

Parameters	Standard
Nominal voltage	48 V
Cell configuration	15S2P
Cell type	LFP cylindrical
Charging method	CC/CV (constant current/constant voltage)
Nominal capacity	30 Ah
Nominal energy	1440 Wh
Nominal charge current	15 A
Maximum charge current	30 A
Maximum charge voltage	54.75 V
Nominal continuous discharge current	40-60 A*
Maximum continuous discharge current - peak	90 A
Cut-off voltage	37.5 V
Charge operating temperature	0...55°C
Discharge operating temperature	-20...60°C
Storage	1 month: -20...45°C 3 months: 0...45°C 1 year: 0...25°C
Communication	CAN
Ingress protection level	IPX4
Modularity (number of batteries in parallel)	Up to 10 (planned)
Weight	~12 kg
Dimensions (L x W x H)	475 x 170 x 135 mm

*Max continuous discharge current and max peak discharge current will be verified with end application and environmental conditions.



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