



AMPERE ENERGY

CHANGE IS SIMPLE



AMPERE SPHERE
www.ampere-energy.com

General specifications	AMPERE SPHERE 33
Protection class	IP 44
Ambient temperature range	0 °C to + 40 °C
Optimum temperature range	+15 to +30 °C
Relative humidity (non-condensing) Protection class	10 – 90 % (non condensing)
Diameter (mm)	670 mm *
Weight (kg)	65 kg*
Energy Management System	
Remote monitoring & software updates	User interface via computer or app via Cloud Technology
Communication ports	Wifi / Ethernet / USB
Energy Management features	AMPi. Assistant Manager Power intelligent
Control	Algorithm adaptive / predictive control.
Home automation devices	Smart Socket
Energy Meter	Energy Meter (Bidirectional high-resolution counter)
Battery Module	
Nominal energy storage capacity	3 kWh
Maximum depth of discharge (DoD)	95%
Battery type	Li-ion
Rated Battery voltage	51,8 V
Rated Operating voltage	43 - 58,8 V
Cycle life (95 % DoD, 25 °C, / 77° F)	> 6.000
Calender life (95 % DoD, 25 °C, / 77° F)	> 15 years
Power electronics (AC Input / Output)	
Rated power	1.8 kW
Power (25 °C) 30 min, 2 min	2160 / 2350 W
Rated voltage	230 V
Rated frequency	50 / 60 Hz
Rated current	8 A
Compliance	
Safety Battery cells	IEC 62133
Safety Battery Module	CE / IEC 62619
Safety Transport	UN 38,3
Power electronics	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-12, EN 61000-3-11, EN 62109-1, EN 62109-2, IEC62103, EN 50178, FCC Part 15, AS 3100, RD1699/2011, DIN V VDE V 0126-1-1, EN 50438, CEI 0-21, VDE-AR-N 4105:2011-08, G59/2, G83/2(7), AS4777.2, AS4777.3, IEC 62116, IEC 61727, UNE 206007-1

* Measures and weight are likely to be modified by the company.