

1. RB 512-280-W

LiFePO4 battery Energy storage wall



Order code:	RB 512-280-W
Description:	High performance battery pack
Technology:	LiFePO4
Cell:	Grade A prismatic cell
Cycles:	Over 6000 cycles with 80% DoD
BMS:	High end BMS
Compatibility:	xEMS, Deye-R, other inverters
Mounting:	Wall/floor

1.1. Features

Compact and powerfull energy storage wall. 51.2 V DC for safe low voltage solutions for home and small business. Paired with Hybrid inverter and EMS this battery improves any PV Solar system, helps to harvest all energy and offers UPS functionallity. ON grid and OFF Grid operation. Full solution cal limit grid injection to meet regulations and increase available power for demanding appliances. Depending on tariff system and solution implemented it can help to save ip to 100% energy expenses.

1.2. Technical specification

Nominal capacity:	14.3kWh
Nominal voltage:	51.2V
End of discharge voltage:	46V
Charging voltage:	56V
Continuous Charge I:	100A
Continuous Discharge I:	100A
Peak Charge/Discharge I:	200A
Charge temperature:	0..55°C
Discharge temperature:	-20..55°C
Parallel Connection:	up to 16
MBS communication:	CAN/S485
Weight:	145kg
Dimensions (WxHxD):	675x900x200mm
Environment:	Indoor, non condensing

1.3. Certificates

[rb_512-280-w_declaration_of_conformity.pdf](#) [rb_512-280-w_cb_test_certificate.pdf](#)