

MENRED ESS



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SOLUTIONS

Energy Storage System

System Parameters

Model	LFP.1433.F
Battery Cell	Lithium Iron Phosphate (cobalt-free)-LiFePO4
Energy Capacity	14.33kWh
Usable Capacity	13.61kWh
Nominal Voltage	51.2Vdc
Operate Voltage Range	44.8Vdc-57.6Vdc
Max Charge Current	140Amp
Max Discharge Current	140Amp
Max Parallel	16pcs to 229.28kWh
Cycle Life	≥6000times @ 0.5C & 25°C
Products Size(W*D*H)	1045*566*282mm
Weight	115kg



LFP.1433.F
* 3D model available

System Parameters



LFP.6144.R
* 3D model available

Model	LFP.6144.R
Battery Cell	Lithium Iron Phosphate (cobalt-free)-LiFePO4
Energy Capacity	6.144 kWh
Usable Capacity	5.83 kWh
Nominal Voltage	51.2Vdc
Operate Voltage Range	44.8Vdc-57.6Vdc
Max Charge Current	120Amp
Max Discharge Current	120Amp
Max Parallel	16pcs to 98.24kWh
Cycle Life	≥6000times @ 0.5C & 25°C
Products Size(W*D*H)	550*430*222(5U)
Weight	65kg

System Parameters

Model	LFP6144.H6	LFP6144.H7	LFP6144.H8	LFP6144.H9	LFP6144.H10	LFP6144 H11
Battery Cell	Lithium Iron Phosphate (cobalt-free)-LiFePO4					
Energy Capacity	36.84kWh	42.98kWh	49.15kWh	55.29kWh	61.44kWh	67.58kWh
Usable Capacity	34.99kWh	40.83kWh	46.69kWh	52.53kWh	58.36kWh	64.2kWh
Nominal Voltage	307.2Vdc	358.4Vdc	409.6Vdc	460.8Vdc	512Vdc	563.2Vdc
Operate Voltage Range (Vdc)	273.6-345.6	319.2-403.2	364.8-460.8	410.4-518.4	456-576	501.6-633.6
Assembly method	120A High Voltage Control Box					
Max Charge Current	120Amp					
Max Disch arge Current	120Amp					
Rated Output Power	36.86kW	43kW	49kW	55.29kW	61.44kW	67.58kW
Number of DC Output Ports	120Amp Dual-Port System					
Cycle Life	≥6000times@0.5C&25°C					
Products Size(mm)	1660*490*586	970*980*586	1200*980*586	1200*980*586	1430*980*586	1430*980*586
Weight (KG)	410	475	540	605	670	735



LFP.6144.H7
* 3D model available



LFP.3584.S
* 3D model available

System Parameters

Model	LFP.3584.S
Battery Cell	Lithium Iron Phosphate (cobalt-free)-LiFePO4
Energy Capacity	3.58 kWh
Usable Capacity	3.4 kWh
Nominal Voltage	12.58 Vdc
Operate Voltage Range	11.4 Vdc-14.4Vdc
Max Charge Current	140Amp
Max Discharge Current	140Amp
Max Parallel	4PCS Paralle to 12.8V/14.33kWh or 4PCS Seires to 51.2/14.33kWh
Cycle Life	≥6000times @ 0.5C & 25°C
Products Size(W*D*H)	372*230*200mm
Weight	28 kg

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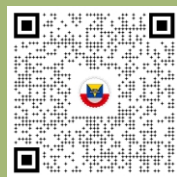
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