Dual Purpose Deep Cycle Starting Lithium Battery     Razorstart 2000 95D31R     Starting / Deep cycle     Congregent of LiPePO4 Battery     Congregent of LiPePO4 Batteries     Congregent of LiPePO4 Batteries     LiPePO4 Batteries would be is five times than SLA batteries, while had weight helpful for transport and instaliation     LiPePO4 Batteries performance twice power of SLA batteries, while had weight helpful for transport and instaliation     Intelligent management control     Intelligent management control     Lower Self-discharge rate to condition     Lower Self-discharge rate to condition     LiPePO4     Nominal Capacity     Electrical     Chemistry   LiFePO4     Nominal Capacity   Electrical     Charge Discharge Rate   Standard     Effectival   LiFePO4     Nominal Capacity   Electrical     Charge Notice   Charge Notice     Electrical   Charge Notice     Charge Notice	PRZORBACK DC PRODUCTS	RAZORBACK LITHIUM		
OF 1FPO4 Battery     Longer Cycle Life     Use PO4 batteries would be is five times than SLA batteries on cycle life   Image: Cycle Life     High Power & Light weight   Life PO4 batteries performance twice power of SLA batteries, which had weights height of transport and installation     Intelligent Miss System covered by LFP batteries to ensure that batteries work on safety and perfect condition   Lower Sd-Idshcarge rate     Lower Sd-Idshcarge rate   Cover Sd-Idshcarge rate   Standard Terminal     Intelligent Miss Subter over of SLA batteries, which had weights and perfect condition   Standard Terminal     Lower Sd-Idshcarge rate   Cover Sd-Idshcarge rate   Import Point State S	Dual Purpose Deep Cycle Starting Lithium Battery			
Longer Cycle Life LifePO4 batteries worklobe is five times than SLA batteries on cycle life     High Power & Light weight LifePO4 batteries performance twice power of SLA batteries, while half weight helpful for transport and installation     Intelligent Masagement control     Lower Self-discharge rate     Standard     Chemistry     LifePO4     Nominal Capacity     Both     Nominal Capacity     Both     Electrical     Characteristics     Internal Resistance     Cycle Life   Standard	Razorstart 2000 95D31R		Starting / Deep cycle	
LIFePO4 batteries would be is five times than SLA batteries on cycle life High Power & Light weight LifePO4 batteries performance twice power of SLA batteries, while had weight weight of transport and installation Intelligent management control Intelligent management control Cover Self-discharge rate Lower Self-discharge rate Dever Self-discharge rate to guarantee LFP batteries be stored more longer than SLA batteries Physical Dimension Standard Terminal Cover Self-discharge rate Dever Self-discharge rate Dever Self-discharge rate Dever Self-discharge rate Cover Self-discharge rate Dever Self-discharge rate Self-discharge rate Self-discharge rate Discharge Standard Discharge Standard Discharge Mechanical Mechanical Mechanical Discharge Informance Methanical Discharge Informance Methanical Methanical Methanical Discharge Informance Methanical Methanical Discharge Informance Methanical Metha	Features of LiFePO4 Battery			
Image: Standard Charge Current   Standard Stange Stange Current   Standard Sta	LiFePO4 batteries would be is five times than SLA batteries on cycle life High Power & Light weight LiFePO4 batteries performance twice power of SLA batteries, while half weight helpful for transport and installation Intelligent management control Intelligent BMS system covered by LFP batteries to ensure that batteries work on safety and perfect condition Lower Self-discharge rate Lower Self-discharge rate to guarantee LFP batteries be stored			
Electrical   Chemistry   LiFePO4     Nominal Voltage   12.8V     Nominal Capacity   80Ah     Energy   1024Wh     Cold Cranking Amps   2000CCA     Internal Resistance   51.9 mQ     Cycle Life   >1500 A     Efficiency of Charge   100% @0.5C     Efficiency of Charge   16.40.2V     Charge Voltage   14.640.2V     Charge Current   540A     BMS Discharge Current   2000A(5S)     BMS Discha	Physical Dimension		Standard Terminal	
Nominal Voltage     12.8V       Nominal Capacity     80Ah       Energy     1024Wh       Cold Cranking Amps     2000CCA       Characteristics     Internal Resistance     ≤1.9 mQ       Cycle Life     ≥1500 cycles       Self Discharge Rate     ≤30uA       Efficiency of Charge     100% @0.5C       Efficiency of Discharge     96-99% @1C       Charge Voltage     14.6±0.2V       Charge Mode     0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)       Rated Charge Current     ≤40A       Charge Mode     0.2C to 16.8V, then 14.6V,charge current to 0.02C (CC/CV)       Rated Charge Current     ≤80A       BMS Charge Current     ≤80A       BMS Charge Current     ≤80A       BMS Charge Current     ≤80A       BMS Charge Current     ≤80A       Instantaneous Discharge Current     ≤180A       Instantaneous Discharge Current     2000A(5S)       BMS Discharge Cut-off Voltage     8V       Over Discharge Recovery Voltage     9.2V       Charge Temperature     0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity       Discha			Type Positive Negative	
Nominal Capacity     80Ah       Electrical     Cold Cranking Amps     2000CCA       Characteristics     Internal Resistance     ≤1.9 mΩ       Cycle Life     ≥1500 cycles       Self Discharge Rate     ≤30uA       Efficiency of Charge     100% @0.5C       Efficiency of Discharge     96-99% @1C       Charge Voltage     14.6±0.2V       Charge Mode     0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)       Rated Charge Current     ≤40A       Charge Mode     0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)       Rated Charge Current     ≤80A       BMS Discharge Current     ≤180A       Instantaneous Discharge Current     ≥180A       BMS Discharge Recovery Voltage     9.2V       Over Discharge Recovery Voltage     9.2V       Discharge Temperature     0 °C to 40 °C (32Fto 113F) @60±25% Relative Humidity       Strandard     Over Discharge Recovery Voltage     9.2V       Charge T		Chemistry	LiFePO4	
Electrical     Energy     1024Wh       Characteristics     Energy     1024Wh       Cold Cranking Amps     2000CCA       Internal Resistance     \$1.9 mΩ       Cycle Life     ≥1500 cycles       Self Discharge Rate     ≤30uA       Efficiency of Charge     100% @0.5C       Efficiency of Discharge     96-99% @1C       Charge Voltage     14.6±0.2V       Charge Mode     0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)       Rated Charge Current     ≤40A       Max. Charge Current     ≤80A       BMS Charge Curt-off Voltage     15.6V       Over Charge Recovery Voltage     15.2V       Continuous Discharge Current     ≤180A       Instantaneous Discharge Current     2000A(5S)       BMS Discharge Cut-off Voltage     8V       Over Discharge Recovery Voltage     9.2V       Over Discharge Temperature     0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity       Discharge Temperature     0 °C to 40 °C (42F to 140F) @60±25% Relative Humidity       Vater Dust Resistance     IP65       BMS Withstand voltage value     30V       Plastic Case		ů		
Electrical Characteristics     Cold Cranking Amps     2000CCA       Internal Resistance     ≤1.9 mΩ       Cycle Life     ≥1500 cycles       Self Discharge Rate     ≤30uA       Efficiency of Charge     100% @0.5C       Efficiency of Discharge     96-99% @1C       Charge Voltage     14.6±0.2V       Charge Voltage     0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)       Rated Charge Current     ≤40A       Charge Mode     0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)       Rated Charge Current     ≤40A       Max. Charge Current     ≤80A       BMS Charge Cut-off Voltage     15.6V       Over Charge Recovery Voltage     15.2V       Over Charge Recovery Voltage     15.2V       Over Discharge Current     ≤180A       Instantaneous Discharge Current     2000A(5S)       BMS Discharge Cut-off Voltage     8V       Over Discharge Recovery Voltage     9.2V       Charge Temperature     0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity       Uscharge Temperature     0 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity       Water Dust Resistance     IP65 </td <td>. ,</td> <td></td>		. ,		
Characteristics     Internal Resistance     ≤1.9 mΩ       Cycle Life     ≥1500 cycles       Self Discharge Rate     ≤30uA       Efficiency of Charge     100% @0.5C       Efficiency of Discharge     96-99% @1C       Charge Voltage     14.6±0.2V       Charge Mode     0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)       Rated Charge Current     ≤40A       Max. Charge Current     ≤80A       BMS Charge Cut-off Voltage     15.6V       Over Charge Recovery Voltage     15.2V       Continuous Discharge Current     ≤180A       Instantaneous Discharge Current     ≤180A       Instantaneous Discharge Current     ≤180A       Instantaneous Discharge Current     ≤180A       Instantaneous Discharge Current     2000A(5S)       BMS Discharge Recovery Voltage     9.2V       Charge Temperature     0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity       Discharge Temperature     -20 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity       Water Dust Resistance     IP65       BMS Withstand voltage value     30V       Plastic Case     ABS       Dimension	Fleetricel			
Cycle Life   ≥1500 cycles     Self Discharge Rate   ≤30uA     Efficiency of Charge   100% @0.5C     Efficiency of Discharge   96-99% @1C     Charge Voltage   14.6±0.2V     Charge Mode   0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)     Rated Charge Current   ≤40A     Max. Charge Current   ≤80A     BMS Charge Cut-off Voltage   15.6V     Over Charge Recovery Voltage   15.2V     Continuous Discharge Current   ≤180A     Instantaneous Discharge Current   ≤180A     Instantaneous Discharge Current   ≤000A(5S)     BMS Discharge Recovery Voltage   9.2V     Charge Temperature   0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity     Discharge Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Varier Dust Resistance   IP65     BMS Withstand voltage value   30V     Plastic Case   ABS     Dimensions (in./mm.)   303*170*201*222mm ± 2mm     Weight (lbs./kg.)   10.85kg(23.87lbs)				
Self Discharge Rate   ≤30uA     Efficiency of Charge   100% @0.5C     Efficiency of Discharge   96-99% @1C     Charge Voltage   14.6±0.2V     Charge Mode   0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)     Rated Charge Current   ≤40A     Max. Charge Current   ≤80A     BMS Charge Cut-off Voltage   15.6V     Over Charge Recovery Voltage   15.2V     Continuous Discharge Current   ≤180A     Instantaneous Discharge Current   2000A(5S)     BMS Discharge Cut-off Voltage   8V     Over Discharge Recovery Voltage   9.2V     Charge Temperature   0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity     Discharge Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Storage Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Water Dust Resistance   IP65     BMS Withstand voltage value   30V     Plastic Case   ABS	Characteristics			
Efficiency of Charge     100% @0.5C       Efficiency of Discharge     96-99% @1C       Charge Voltage     14.6±0.2V       Charge Mode     0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)       Rated Charge Current     ≤40A       Max. Charge Current     ≤80A       BMS Charge Cut-off Voltage     15.6V       Over Charge Recovery Voltage     15.2V       Continuous Discharge Current     ≤180A       Instantaneous Discharge Current     ≤180A       Instantaneous Discharge Current     2000A(5S)       BMS Discharge Cut-off Voltage     8V       Over Discharge Recovery Voltage     9.2V       Continuous Discharge Current     2000A(5S)       BMS Discharge Cut-off Voltage     8V       Over Discharge Recovery Voltage     9.2V       Charge Temperature     0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity       Discharge Temperature     0 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity       Water Dust Resistance     IP65       BMS Withstand voltage value     30V       Plastic Case     ABS       Dimensions (in./mm.)     303*170*201*222mm ± 2mm       Weight (lbs.				
Efficiency of Discharge   96-99% @1C     Charge Voltage   14.6±0.2V     Charge Mode   0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)     Rated Charge Current   ≤40A     Max. Charge Current   ≤80A     BMS Charge Cut-off Voltage   15.6V     Over Charge Recovery Voltage   15.2V     Continuous Discharge Current   ≤180A     Instantaneous Discharge Current   2000A(5S)     BMS Discharge Cut-off Voltage   8V     Over Discharge Recovery Voltage   9.2V     Charge Temperature   0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity     Discharge   Discharge Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Water Dust Resistance   IP65     BMS Withstand voltage value   30V     Plastic Case   ABS     Dimensions (in./mm.)   303*170*201*222mm ± 2mm     Weight (lbs./kg.)   10.85kg(23.87lbs)				
Standard   Charge Voltage   14.6±0.2V     Charge Mode   0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)     Rated Charge Current   ≤40A     Max. Charge Current   ≤80A     BMS Charge Cut-off Voltage   15.6V     Over Charge Recovery Voltage   15.2V     Continuous Discharge Current   ≤180A     Instantaneous Discharge Current   2000A(5S)     BMS Discharge Recovery Voltage   9.2V     Charge Temperature   0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity     Discharge   Charge Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Water Dust Resistance   IP65     BMS Withstand voltage value   30V     Plastic Case   ABS     Dimensions (in./mm.)   303*170*201*222mm ± 2mm     Weight (lbs./kg.)   10.85kg(23.87lbs)		, , ,		
Standard ChargeCharge Mode0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)Rated Charge Current\$40AMax. Charge Current\$80ABMS Charge Cut-off Voltage15.6VOver Charge Recovery Voltage15.2VContinuous Discharge Current\$180AInstantaneous Discharge Current2000A(5S)BMS Discharge Cut-off Voltage8VOver Discharge Recovery Voltage9.2VCharge Temperature0 °C to 45 °C (32Fto 113F) @60±25% Relative HumidityDischarge Temperature0 °C to 40 °C (-4F to 140F) @60±25% Relative HumidityStorage Temperature0 °C to 40 °C (32Fto 104F) @60±25% Relative HumidityWater Dust ResistanceIP65BMS Withstand voltage value30VPlastic CaseABSDimensions (in./mm.)303*170*201*222mm ± 2mmWeight (lbs./kg.)10.85kg(23.87lbs)				
Standard   Rated Charge Current   \$40A     Charge   Max. Charge Current   \$80A     BMS Charge Cut-off Voltage   15.6V     Over Charge Recovery Voltage   15.2V     Continuous Discharge Current   \$180A     Instantaneous Discharge Current   2000A(5S)     BMS Discharge Cut-off Voltage   8V     Over Discharge Recovery Voltage   9.2V     Charge Temperature   0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity     Discharge   Charge Temperature   0 °C to 40 °C (-4F to 140F) @60±25% Relative Humidity     Water Dust Resistance   IP65     BMS Withstand voltage value   30V     Plastic Case   ABS     Dimensions (in./mm.)   303*170*201*222mm ± 2mm     Weight (lbs./kg.)   10.85kg(23.87lbs)	Standard			
Max. Charge Current   \$80A     BMS Charge Cut-off Voltage   15.6V     Over Charge Recovery Voltage   15.2V     Continuous Discharge Current   \$180A     Instantaneous Discharge Current   2000A(5S)     BMS Discharge Cut-off Voltage   8V     Over Discharge Cut-off Voltage   9.2V     Charge Temperature   0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity     Discharge Temperature   0 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity     Storage Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Water Dust Resistance   IP65     BMS Withstand voltage value   30V     Plastic Case   ABS     Dimensions (in./mm.)   303*170*201*222mm ± 2mm     Weight (lbs./kg.)   10.85kg(23.87lbs)		-		
BMS Charge Cut-off Voltage   15.6V     Over Charge Recovery Voltage   15.2V     Continuous Discharge Current   ≤180A     Instantaneous Discharge Current   2000A(5S)     BMS Discharge Cut-off Voltage   8V     Over Discharge Recovery Voltage   9.2V     Charge Temperature   0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity     Discharge Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Storage Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Vater Dust Resistance   IP65     BMS Withstand voltage value   30V     Plastic Case   ABS     Dimensions (in./mm.)   303*170*201*222mm ± 2mm     Weight (lbs./kg.)   10.85kg(23.87lbs)				
Over Charge Recovery Voltage   15.2V     Continuous Discharge Current   ≤180A     Instantaneous Discharge Current   2000A(5S)     BMS Discharge Cut-off Voltage   8V     Over Discharge Recovery Voltage   9.2V     Charge Temperature   0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity     Discharge   Discharge Temperature     Discharge Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Storage Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Water Dust Resistance   IP65     BMS Withstand voltage value   30V     Plastic Case   ABS     Dimensions (in./mm.)   303*170*201*222mm ± 2mm     Weight (lbs./kg.)   10.85kg(23.87lbs)	Charge			
Standard   Continuous Discharge Current   ≤180A     Instantaneous Discharge Current   2000A(5S)     BMS Discharge Cut-off Voltage   8V     Over Discharge Recovery Voltage   9.2V     Charge Temperature   0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity     Discharge   Charge Temperature     0 °C to 40 °C (-4F to 140F) @60±25% Relative Humidity     Storage Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Water Dust Resistance   IP65     BMS Withstand voltage value   30V     Plastic Case   ABS     Dimensions (in./mm.)   303*170*201*222mm ± 2mm     Weight (lbs./kg.)   10.85kg(23.87lbs)				
Standard DischargeInstantaneous Discharge Current2000A(5S)BMS Discharge Cut-off Voltage8VOver Discharge Recovery Voltage9.2VCharge Temperature0 °C to 45 °C (32Fto 113F) @60±25% Relative HumidityDischarge Temperature-20 °C to 60 °C (-4F to 140F) @60±25% Relative HumidityStorage Temperature0 °C to 40 °C (32Fto 104F) @60±25% Relative HumidityWater Dust ResistanceIP65BMS Withstand voltage value30VPlastic CaseABSDimensions (in./mm.)303*170*201*222mm ± 2mmWeight (lbs./kg.)10.85kg(23.87lbs)				
Standard   BMS Discharge Cut-off Voltage   8V     Over Discharge   9.2V     Charge Temperature   0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity     Discharge Temperature   -20 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity     Storage Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Water Dust Resistance   IP65     BMS Withstand voltage value   30V     Plastic Case   ABS     Dimensions (in./mm.)   303*170*201*222mm ± 2mm     Weight (lbs./kg.)   10.85kg(23.87lbs)		-		
Standard   Over Discharge Recovery Voltage   9.2V     Discharge   Charge Temperature   0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity     Discharge Temperature   -20 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity     Storage Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Water Dust Resistance   IP65     BMS Withstand voltage value   30V     Plastic Case   ABS     Dimensions (in./mm.)   303*170*201*222mm ± 2mm     Weight (lbs./kg.)   10.85kg(23.87lbs)				
Discharge   Charge Temperature   0 °C to 45 °C (32Fto 113F) @60±25% Relative Humidity     Discharge Temperature   -20 °C to 60 °C (-4F to 140F) @60±25% Relative Humidity     Storage Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Water Dust Resistance   IP65     BMS Withstand voltage value   30V     Plastic Case   ABS     Dimensions (in./mm.)   303*170*201*222mm ± 2mm     Weight (lbs./kg.)   10.85kg(23.87lbs)				
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Storage Temperature   0 °C to 40 °C (32Fto 104F) @60±25% Relative Humidity     Water Dust Resistance   IP65     BMS Withstand voltage value   30V     Plastic Case   ABS     Dimensions (in./mm.)   303*170*201*222mm ± 2mm     Weight (lbs./kg.)   10.85kg(23.87lbs)				
Water Dust Resistance   IP65     BMS Withstand voltage value   30V     Plastic Case   ABS     Dimensions (in./mm.)   303*170*201*222mm ± 2mm     Weight (lbs./kg.)   10.85kg(23.87lbs)				
BMS Withstand voltage value     30V       Plastic Case     ABS       Dimensions (in./mm.)     303*170*201*222mm ± 2mm       Weight (lbs./kg.)     10.85kg(23.87lbs)				
Mechanical     Plastic Case     ABS       Dimensions (in./mm.)     303*170*201*222mm ± 2mm       Weight (lbs./kg.)     10.85kg(23.87lbs)				
Mechanical     Dimensions (in./mm.)     303*170*201*222mm ± 2mm       Weight (lbs./kg.)     10.85kg(23.87lbs)		_		
Weight (lbs./kg.) 10.85kg(23.87lbs)	Mechanical	-		
		Terminal	Brass	

