

Residential Energy Storage

ZT-51280F



Physical

51V280Ah

Battery Parameters

Battery Type	LFP(LiFePO4)
Nominal Voltage(V)	51.2
Voltage Range(V)	44-57.6
Charge Float Voltage(V)	54
Equalizing Voltage(V)	57.6
Charge-Down Current Turn-on Conditions	Overall voltage $\geq 56V$ Or single $\geq 3.5V$
Charge Down Current Value	$\leq 10A$
Charge Cut-off Voltage	57.6 Or single ≥ 3.63
Max. Charge/Discharge Current(A)	200/200
Discharge Cut-off Voltage(V)	SOC $\leq 5\%$ Overall voltage ≤ 46.4 Or single ≤ 2.9
Rated Battery Capacity(Ah)	280Ah
Rated Battery Energy(kWh)	14.34

General Properties

Dimensions [W*L*H] $\pm 1.2mm$	544*315*888.5
Battery Pack Weight(kg) $\pm 3kg$	133

The rated capacity indicates the current discharged by charging with 0.5C current to the cutoff under the condition of 25 \pm 5 $^{\circ}C$, and then discharging with 0.5c to the cutoff state after standing for 30min.