

LumiSun-32K

Medium-sized Mobile PV Storage Equipment

Mobility / Modularity
Quick and easy installation

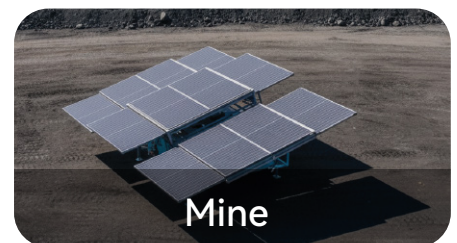


Application Scenarios

Mobile ESS

Standard Proposal

List	Remark
PV	5460W
Inverter	10kW
Battery	32kWh



Solar panels	
Solar panels Item No.	Jinko Tiger NEO 54HL4R-B 430-455W
Maximum power Pmax [W]	455
Max. PV array power	5460W
Optimum operating voltage Vmp [V]	33.58
Optimum operating current Imp [A]	13.55
Open-circuit voltage Voc [V]	10.17
Short-circuit current Isc [A]	14.01
Module efficiency [%]	22.8
Module dimensions	1762×1134×30mm
Module weight	21.0kg
Inverter Data	
Model	LumiSun-32K
INVERTER OUTPUT	
Rated Output Power	10,000W
Max.Peak Power	15,000W
Rated Output Voltage	230Vac (Single phase)
Load Capacity of Motors	6HP
Rated AC Frequency	50/60Hz
Waveform	Pure Sine Wave
Switch Time	10ms (typical)
Parallel capacity	1-6 Units
PV INPUT	
Num. of MPP Trackers	2
Max.PV array power	5460W
Max.input current	22/22A
Max.Voltage of Open Circuit	500Vdc+500Vdc
MPPT Voltage Range	125-425Vdc
Battery	
Battery Type	LiFePO ₄
Nominal Voltage	51.2V
Configuration	3.2V314Ah/1P16S
Capacity(Ah)	628Ah
Nominal Energy(kWh)	32.14kWh
Usable Energy(kWh@90%DOD)	28.94kWh
Max.Charge/Discharge Current(A)	150A
Voltage Range(V)	44.8~57.6V
Cycle Life (@25°C,90%DOD)	≥8000Cycles
Warranty Period	5+5 years
PERFORMANCE SPECIFICATIONS	
Weight(kg)	1.6t
Unfolded Dimensions(W*D*H)	5672×4500×2300cm
Folded Dimensions(W*D*H)	2325×2415×2300cm
IP Rating	IP54
SECURITY AND CERTIFICATION	
Safety(Pack)	UN38.3,MSDS,IEC62619(CB),CE-EMC,IEC63056
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature Range(°C)	Charge 0°C~55°C;Discharge-20°C~55°C
Altitude(m)	≤2000m
Humidity	≤90%(Non-condensing)