SUNCORE – E3

The SUNCORE E3 Home Energy Storage System is designed to maximize energy savings and bring homeowners peace of mind with clean, reliable backup power.

SUNCORE HOME ENERGY PACK – E3

Residential Energy Storage Solution

Safe & Reliable

A grade LFP cell, 10+ years lifespan
IP 65 with wide range temp.

Superior performance

Support 200A charge&discharge
Integrated CELL design increases energy density

Simplified installation

Floor mounting

Flexible

Max. 6 units in parallel
Suitable for residential and small commercial applications.

Convenient&Smart

Built-in intelligent BMS, support Bluetooth

Durable & Resilient

15 years or 68MWh energy throughout warranty

Battery Parameters

Cell Capacity	[Ah]	314
Nominal Energy	[kWh]	16. 076
Default Voltage	[V]	51.2
Charging Cut-off Voltage	[V]	57.6
Discharging Cut-off Voltage	[V]	40
Voltage Range	[V]	43.2~58.4
Recommended Charge/Discharge Current	[A]	95
Max. Charge/Discharge Current	[A]	200
Peak Power Charge/Discharge Current	[A]	280 (10 sec)

System Parameters

Scalability		Max. 6 units in parallel
Operating Temperature	[℃]	-20 to 50 (-4 to 122℉)
Cooling		Natural Cooling
Max. Altitude	[m]	≤3000 (9842.52ft)
Cycle Life		≥8000 (25℃±2℃ ,70%EOL)
Comminication		Bluetooth/Wi-Fi/CAN/RS480/RS232
Mounting		Floor mount
Enclosure Protection Rating		IP 65
Product Warranty		10 Years / 15 Years optional
Energy Throughout	[MWh]	50 / 68 optional
Humidity		Up to 95%, no condensing
Environment		Indoor and outdoor rated

Protection

Overcharge Protection	Integrated
Overdischarge Protection	Integrated
Overcurrent Protection	Integrated
Shortcircuit Protection	Integrated

Mechanical Parameters

Dimension (W*D*H)	[mm]	900*550*175 (35.43*21.65*6.89 in)
Net Weight (Approx.)	[kg]	121 (266.76 lb)

Greener • Cleaner • Smarter

Home Energy Resilience

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