

ELITHIUM ESS

ENERGY FREEDOM FOR ELITE HOMES

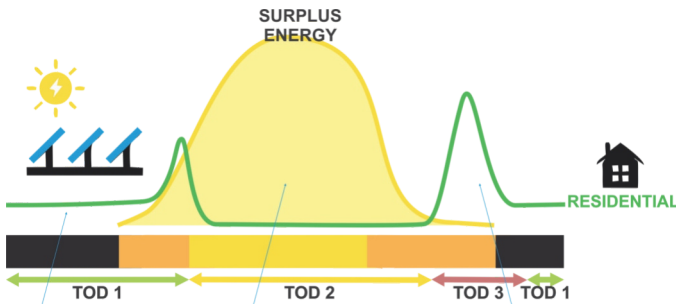


STATCON
ENERGIAA

Inspire • Innovate • Implement



Statcon Energiaa's ELITHIUM series form our stunning, powerful and premium category of Solar Energy Storage Systems. Perfect harmony of optimised MPPT Inverter technology and a lithium energy pack provides enough punch to run your heavy loads, including 1.5T inv Air Conditioner. Designed to revolutionise the aspirational domestic market, making seamless energy accessible to premium households. This solar plus storage pack promises intelligent operation of energy to ensure you are independent from the variations of mains grid.



Can schedule battery charging during this time to save on "grid charging costs"

Using Solar PV and Battery, make this TOD a grid-free time,

Schedule a daily discharge for battery during TOD 3 for maximum savings



ELITHIUM 2027



ELITHIUM 3532



HEAVY LOADS

Runs your 1HP motor on EL 2026
Runs your 1.5T inv AC on EL 3532
Built to withstand overloads up to 200%



Li-ion

LITHIUM ADVANTAGE

Zero battery maintenance
Works well with heavy motor loads
Longer life and more kWh per cycle



PREMIUM DESIGN

Wall mounted sleek design
Minimalist colours to match your decor
No more shoddy battery wiring



PLUG N PLAY

LFP battery, factory-fitted and connected
Easily connect PV, GRID and LOADS
DIY System, needs zero expertise to install

"Too much R&D expense in the industry is spent on cost reduction only, this is an honest effort to bring out the best product ,rather than the cheapest one"



PARAMETER	RATING	
Model Number/Name	Elithium 2027	
Nominal DC Voltage	25.6V	
MPPT CHARGER		
Type of Charger	MPPT	
No of MPPT Channels	One	
Switching Element	IGBT	
Max. Connected PV Modules	2200 Watts	3000 Watts
Max MPPT Output Current/ Max Battery Charging Current	70 Amps	100 Amps
Max. Open Circuit PV Voltage	110 V	
MPPT Voltage Range	35-88 Volts	
Max. Input PV Current	40 Amps	50 Amps
MPPT Peak Efficiency	94%	92%
SOLAR INVERTER		
Input Power at Peak Load	2200 Watts	3000 Watts
Switching Element	MOSFET	
Nominal Output Voltage	220 V	
Nominal Output Frequency	50 Hz	
Output Voltage Range (At nominal Battery Volts)	180-220 Volts	
Max. Output Nominal Current	8 Amps	9.5 Amps
Overloads	100-125% (120 Seconds), 126-150% (60 Seconds), 151-200% (5 Seconds), > 200% (Immediate)	
Controller Type	DSP Based	
Output Type	Pure Sine Wave	
Input Source	PV/ Battery/Grid	
Peak Inverter Efficiency	>85%	
Total Harmonic Distortion	less than 5 %	
Changeover Time in UPS Mode	less than 15 msec	
Changeover Time in Wide Range Mode	less than 25 msec	
BATTERY		
Battery Ah/Voltage	105/25.6	125/25.6
Battery Wh	2688	3200
Charging current (A)	30 Amps	
Continuous discharging current (A)	50 Amps	
Maximum continuous discharging current (A)	100 Amps	
Battery Under Cut Alarm	24.2V (Settable)	
Battery Under Cut	24.0V (Settable)	
Float Charging Voltage (Factory Settable)	28.8V	
Boost Charging Voltage (Factory Settable)	28.8V	
GRID CHARGER		
Grid Operating Voltage Range (W-UPS Mode)	120-280 Volts (+/- 10V)	
Grid Under Cut Recovery Voltage (W-UPS Mode)	135 Volts (+/- 5V)	
Grid Over Cut Recovery Voltage (W-UPS Mode)	265 Volts (+/- 5V)	
Grid Operating Voltage Range (UPS Mode)	180-260 Volts (+/- 10V)	
Grid Under Cut Recovery Voltage (UPS Mode)	195 Volts (+/- 5V)	
Grid Over Cut Recovery Voltage (UPS Mode)	245 Volts (+/- 5V)	
Grid Input Frequency Range	47-53 Hz	
DISPLAY/PROTECTIONS/INDICATIONS		
Protections	PV: Reverse Polarity, Battery Reverse Power, PV Power Limit Battery: Under Voltage Cut, Over Voltage Cut, Reverse Polarity, Overcharge Limit (BCL), Battery Fuse Grid: Over Voltage, Under Voltage, Over Frequency, Under Frequency, Grid Fuse Fail Load: Overload, Short Circuit, Over Heat, Output Low, Grid Back Feed, Prevent Ph to Ph condition Grid Supply	
Display Parameters	PV: Voltage, Amps, Power, Today KWH, Total KWH Generation. Battery: Voltage, Amps, Charge/ Discharge Status Grid: Voltage, Frequency, Load: Voltage, Load %, Frequency. System: Operating Modes (UPS/ Wide Range), Priority Selection, Grid Charging Enable/ Disable, Battery Status (Charging/ Discharging) Start Up: WELCOME, Firmware versions	
Display Faults	PV: PV Over Voltage Battery: Battery Under Voltage, Battery Over Voltage Grid: Back Feed, Under/ Over Voltage, Fuse Fail Load: Overload, O/P Short Circuit System: Over Temperature	
Audio Buzzer	Overloads, Short Circuit, Low Battery Alarm, Battery Under Cut, Change in Grid Status (Beep), Grid Fuse fail, PV Over Voltage, Grid Over Voltage	
Front Panel LED	Power ON, Inverter ON, SPV Present/ SPV Charging, Grid Present/ Grid Charging, Battery Under Cut/ Alarm, Fault	
Front Panel Switches	Reset for System ON/OFF, UP, DOWN, BACK, ENTER	
Display Type	16 x 2 Alpha Numeric Display with Backlight	
ENVIRONMENT		
Operating Temperature	0-50 degrees Ambient	
Max Relative Humidity @25°C (non Condensing)	95%	
Degree of Protection	IP20	
Dimensions (LxWxH)	503X272X575 (in mm)	553X270X575 (in mm)
Noise @ 1meter	60 dB	
Cooling	Temp Controlled Fan Cooled	
*Specifications are subject to change without prior notice due to constant improvement in design and technology		

