

# LIFT AND COMMON AREA POWER BACKUP POWER SOLUTION BODY CORPORATES – BLOCKS OF FLATS



Remove the Service and Supply costs of Fuel Hungry Generators

This tried and tested system is designed to provide a centralized power backup during load shedding for the following power requirements

**LIFTS- LIGHTING - ACCESS CONTROL -SECURITY CAMERAS-  
WATER CIRCULATION PUMPS-**

Battery Power Performance Chart			Inverter 24KW	
No Batteries 100AH	KWH Rated	Total KWH	MAX OUTPUT AMPS	MAX PASS THROUGH AMPS
5	5.12	30.72	40	120
80% DOD		24.6		
Available KW Hours	4 hours	3 hours	2 hours	
	6.1	8.2	12.3	

# SUNSYNK 12KW SOLAR HYBRID INVERTER SPECIFICATION SHEET

Model	SYNK-12K-SG04LP3
Product Type	Hybrid Inverter
Enclosure	IP65
Ambient Temperature	-40~60°C, >45°C Derating
Protection Level	Class I
Charge Mode	
Battery Voltage	48Vd.c (40Vd.c ~ 60Vd.c)
Battery Current	240Ad.c (max.)
AC Input Voltage	3L/N/PE 220/380Va.c, 230/400Va.c
AC Input Frequency	50/60Hz
AC Input Rated Current	18.2/17.4A
Max. AC Input Current	20/19.1A

## SYSTEM PRICING GUIDE:-

**2 X Sunsynk 12KW Inverters + 5 X 5.1Kw batteries in Server Cabinet  
Fully Installed with electrical work R315 000 VAT Inclusive**

(Price and system subject to)

- 1) Independent Fluke amp meter tests on the common area circuits to determine The start-up loads of the lifts and rated power draws of the required common area loads
- 2) Confirmation of AC works by our electrician ( Works include - Positioning of system , distance to main DB, work required in isolating essential circuits Etc)
- 3) Battery sizing is modular and can be expanded as per customers' requirements

**PLEASE ENQUIRE ABOUT OUR SMALLER SOLUTIONS for  
Lighting, Access control and Security**

## WARRANTEES

- Our Systems come with a 1 year on site Workmanship warrantee followed by an Service Level Agreement (SLA)
- Sunsynk Inverter warrantee 5 years
- Revov Battery Warrantees 10 years

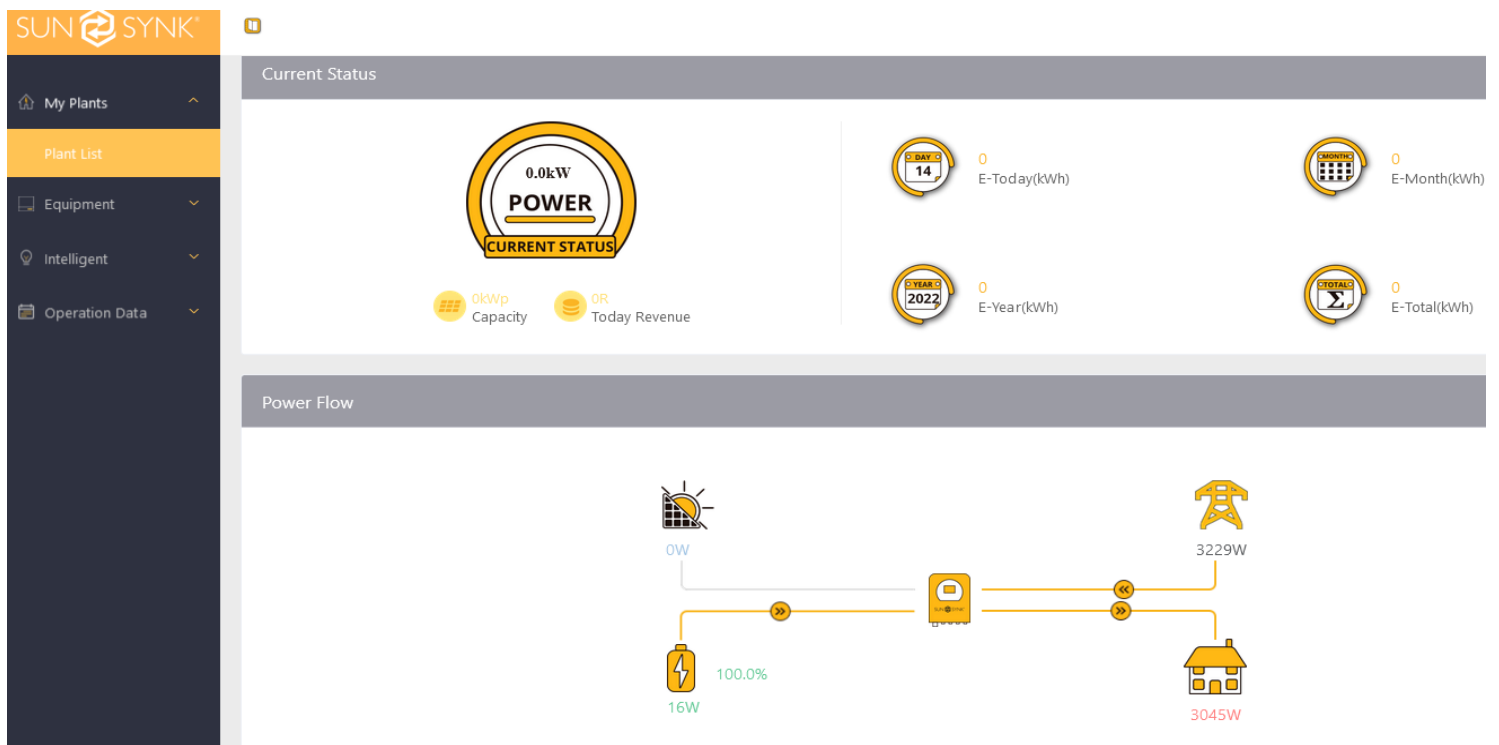
## EXAMPLES OF BODY CORP INSTALLATIONS BY BLUE SUN 2023



# SUNSYNK SYSTEM MONITORING & SUPPORT

Aligned with our first year workmanship warranty we provide Simple Monitoring through the **Sunsynk App**. This includes

- Visualisation of key performance parameters on the Sunsynk Portal for all devices ( inverters / batteries and loads)
- Continuous Remote Monitoring and Alerts for continuous performance tracking 24/7



Example of system monitored for a body corporate in Sea Point installed in June 2023. The Systems backups up two lifts, common area lighting, access control and a water circulation Pumps



The SOC (shown above) is the State of Battery charge showed in the Blue line during each Load Shedding incident.

# SYSTEM COMPONENTS AND FEATURES



**Revov 10.2kWh Lithium  
Battery 10 year Warranty**



**Sunsynk 12kW Hybrid Inverter  
5 year Warranty**



**(27U1000)  
(1400x1000x600)**

R200 51.2V 200Ah 10.2kWh	
<b>Model</b>	R200
<b>Battery Type</b>	LiFePO <sub>4</sub>
<b>Battery Capacity</b>	200Ah
<b>Power Capacity</b>	10.2kWh
Voltage	
<b>Nominal</b>	51.2V
<b>Float Charge</b>	54.5V
<b>Absorption Charge</b>	55.5V
Current	
<b>Maximum Continuous Charge/Discharge</b>	160/160A
Weight & Dimensions	
<b>Dimensions (LxWxH, mm)</b>	520mm x 442mm x 221mm
<b>Battery Weight</b>	83.6kg
Temperature	
<b>at Charging</b>	0 - 45°C
<b>at Discharging</b>	-10 - 45°C
Other	
<b>Enclosure Protection</b>	IP20
<b>Design Cycle Life</b>	7000
<b>Access Interface</b>	CAN Bus
<b>Compatible Inverters</b>	All leading Inverter brands
<b>Storage Conditions</b>	15 - 25°C at 50% SoC (charge every 6 months)
<b>Warranty</b>	10 years / 3500 cycles @100% DoD 10 years / 5000 cycles @90% DoD 10 years / 6000 cycles @80% DoD
<b>Max Depth of Discharge (DoD)</b>	100%

**Our Solar Hybrid Inverters are City of Cape Town & NRS 97 compliant**

**Request a Solar Quote to provide an attractive Investment ROI**