BATTERY SYSTEM · TECHNICAL SPECIFICATION

48 kWh Shop Power System

Shop storage for a single-phase or three-phase site

SYSTEM

48 kWh

3 modules

STORAGE	USABLE	BANK	CHEMISTRY
48 kWh 3 module(s)	38.4 kWh at 80% DoD	942 Ah 51.2 V nominal	$LiFePO_4$ with BMS

WHAT THE SYSTEM INCLUDES

— **Integrated battery fire suppression.** Thermally activated aerosol suppression inside the battery enclosure.

— **Remote monitoring.** Wi-Fi and app visibility of the battery, plus an inverter data logger and portal.

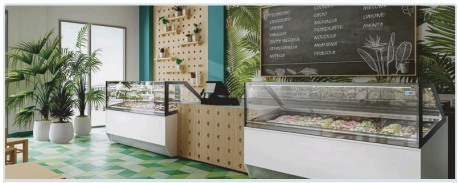
— **Hybrid by design.** Solar, grid and generator inputs under one controller. PV panels are not included.

— **Built around your load.** Inverter selection, phase arrangement and protection are engineered to your appliance schedule.

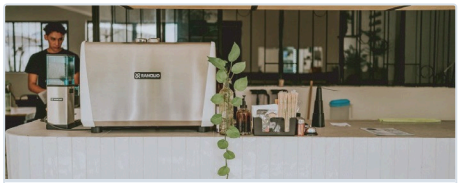
> **Quiet, clean, customer-facing.** No generator noise, no fumes and no blackout, with remote support from Majors Group.

WHERE IT WORKS

Gelato and ice cream shops · Food and coffee vans · Carts and trailers · Cafés · QSR · Events and festivals · Markets · Remote and off-grid sites



Gelato and ice cream shops



Cafés and dessert bars

Patisseries and bakeries

BATTERY BANK			
Usable capacity	38.4 kWh at 80% DoD	Modules	3 × 16 kWh
Chemistry / voltage	$LiFePO_4$, 51.2 V nominal	Bank capacity	942 Ah
Platform	Freedom Won ENVA 16	Module size / weight	827 × 520 × 252 mm, 126 kg
Protection	BMS + aerosol fire suppression	Monitoring	CAN + Wi-Fi / app
INVERTER AND POWER			
Inverter options	16 kW single-phase, 2 × 12 kW three-phase	Battery comms	CAN / RS485
Inverter models	Sunsynk SYNK-16K-SG01LP1PLUS; Sunsynk SUNSYNK-12K-SG04LP3-AU	Hybrid inputs	Solar, grid and generator
ENCLOSURE AND INSTALL			
Cabinet (H × W × D)	1600 H × 790 W × 540 D mm	Application	In-store power · Compact cabinet
Supplied by	Majors Group	Coverage	Australia and New Zealand
Battery cover	8,000 cycles to 70% capacity	Price	On application

Contact us for more information.

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AU · NZ · SEA
Design · supply · installation · remote support

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