



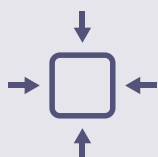
EPOWERPACK

100 M1

High-Performance Site Power
for Heavy Machinery



CUSTOM
REQUIRE-
MENTS



COMPACT
DESIGN



LOW
WEIGHT



HIGH
CAPACITY



LONG
LIFESPAN



PGS 37-1
READY

GENERAL INFORMATION

Model	EPowerPack_100_M1
Rated Output Power	90 kVA
Rated Output Voltage	230VAC @50Hz, 1ph / 400VAC @50Hz, 3ph.
Nominal capacity	2240Ah
Battery Storage Capacity	115kWh
Loading Dimension(LxWxH)	2283x1069x1403mm
Weight	Approx. 2200kg
Operating Temperature Range	-20°C ~ 55°C
Max Altitude	2000m.
Protection Category	IP54
Communication	Bluetooth & 4G optional
Approval	CE (pending), PGS 37-1 ready
Transport classification	UN4380
Fire protection	Fire extinguishing water connection nok81 (in accordance with PGS 37-1)

DISTRIBUTION PANEL

Inlets	63A – 3ph	16A – 3ph
Outlets	63A – 3ph	16A – 1ph

E-COMPONENTS

Inverters (6)	Victron Quattro 48/15000/200-100/100
Batteries	Lithium Iron Phosphate (LiFePO4 Prismatic cells)
Rated voltage / Capacity of cell	3.2V / 280Ah
Cyclic Life	≥ 6000 @0.5C/0.5C ¹
Pack Rated Voltage	51.2 VDC
Battery Management System (BMS)	Emus G1
Active cooling system	Thermostat/ ventilators (3)
Approvals	UL1642, UL9540A (Batteries) EN-IEC 60335-1, EN-IEC 60335-2-29, EN-IEC 62109-1 (Inverters)

¹ At 25±2°C, the battery was charged to 3.65V at 0.5C (A) constant current and constant voltage in a 300kgf fixture, with a cut-off current of 0.05C (A), and left for 30 minutes. It was then discharged to 2.5V at 0.5C (A), and left for 30 minutes. The next cycle was performed until the capacity decayed to 80% of the nominal capacity.