

Datasheet **P-grid**

Description

The P-grid combines a stage V diesel generator and a lead-carbon pack in one compact power unit designed for peak shaving

Benefits

- ⚡ Compact 2-in-1 hybrid solution
- ⚡ Saves operational costs
- ⚡ Long lifespan, low maintenance
- ⚡ Payback period between 1-3 years



Technical information

The P-grid

- ⚡ Dimensions (LxWxH): 231,0 x 212,5 x 226,5 cm
- ⚡ No break UPS
- ⚡ Weight: 4.984 kg
- ⚡ Remote accessible

Inverter

- ⚡ AC IN: 400V (16A/ 32A/ 63A)
- ⚡ Genset - Grid - Solar(dynamic loadcontrol)
- ⚡ DC 400V technology
- ⚡ AC OUT: 160 kVA
- ⚡ 3-phase industrial inverters
- ⚡ Pure sine wave inverter
- ⚡ Inverter: Hercules CE+T

Genset

- ⚡ 38 kVA
- ⚡ Stage V
- ⚡ 309L diesel tank
- ⚡ Linz PRO 18M E/4

Battery

- ⚡ 34 batteries x 12V
- ⚡ Technology: AGM LeadCarbon
- ⚡ 2C peak discharge
- ⚡ 0,3C charge
- ⚡ Temperature range: -20°C to 50°C

	Max average	Max kWh/day	Battery only (max. 15s)	Battery + internal generator (max. 15s)
Stand alone	20 kWh	480 kWh	180 kVA	200 kVA
16A external connection	30 kWh	720 kWh	200 kVA	220 kVA
32A external connection	40 kWh	960 kWh	220 kVA	240 kVA
63A external connection	60 kWh	1440 kWh	240 kVA	240 kVA

Certificates & approvals

- CE-approved
- EN 60034-1:2010/AC:2010
- EN IEC 63000: 2018
- EN 60204-1: 2018
- EN 55011:2016/A11:2020
- EN ISO 8528-13: 2016
- EN ISO 3744: 1995