

APA - ECO - 90

APA - ECO SERIES



Battery
Driven
GPU



General

- Ambient operation temperature: -25 to +45°C
- Humidity: 10 – 100%
- Noise level <60db at 1 meter
- Casing material: composite material, galvanized steel
- Forklift pockets and Grounding included
- Cooling system included
- Beacon lighting during APA operation
- Warranty of 24 months (negotiable)
- Protection class above IP55
- Parking brakes with towbar in upright position
- Tow bar standard tow eye by DIN D40/F
- Interlock: ON/OFF switch, military/civil switch, by-pass mode accessible only to authorized personnel, EN 12312-20
- 3-phase at 400V/50Hz or 380/60Hz input / 1-phase at 220V/60Hz input
- DC fast charger input

Battery parameters LiFePO4 (LFP)

- Nominal energy, kWh 120
- Discharge power, kW nominal 90
- Charging time <10 hours (less if used with ElectroAir fast charger)
- Battery pack replaceable (modular)
- Capacity loss >10 years
- External power supply: Can be powered and charged from another GPU. Can be supported by other GPU during operation without supply breaks.

Optional: extra payment items

- Customizations from standard colors
- Winter kit – for operation in up to -40°C
- Wheel with tire
- Basic OVM tool kit
- Remote control
- Additional output: 220V, 16A; 380V, 32A
- Monitoring of energy consumption
- Additional beacon lights
- Voice signalization
- RFID Access
- GPS positioning
- Charge monitoring



NEW PRODUCT
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AC Output parameters

- Total output power, kVA: 90
- Rated output voltage, VAC: 115/200
- Range of load changes, %: 0 – 100
- Range of voltage regulation, V: 104-130
- Range of frequency regulation, Hz: 360-420
- Total harmonic distortion, not worse, %: 3
- Output frequency, Hz: 400 ± 0.01
- Coefficient of amplitude modulation of the output voltage < 1.5%
- 3-phase output cable length of 10m
- Aircraft plug: 6-socket aircraft connector

DC Output parameters (optional)

- Number of outputs: 1
- Rated output voltage, V: 28,5
- Voltage stabilization, V: 0,5 (at balanced load)
- Output current, A: 800
- Peak current, A: 2400 for 2 seconds
- Output cable length, m: 10, with aircraft plug

Control panel

- Visual Display Unit Anti flare sunlight readable.
- Output voltage, current, frequency, operational parameters and status, error indicator, start/stop.
- Battery cell voltage, Power consumption data,
- Battery status data, emergency stop buttons.

Protection

- Automatic voltage drop compensation and phase sequence relay
- Input/output voltage raise/drop
- Overload prevention
- Frequency raise/drop
- Input/output shortage
- Current leakage supervision
- Neutral voltage supervision
- LFP, cobalt free, highly safe cell
- Emergency stop button:
- Instant stop of all systems

Documentation (English)

- Operational manuals
- Maintenance manual
- Safety Datasheet (incl. battery test sheet)
- Illustrated parts breakdown
- Warranty certificate
- Online training and certification

The specification data may be changed by the manufacturer without prior notice