

Mobile Power

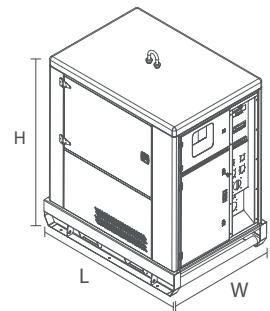
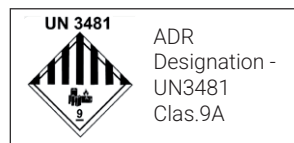
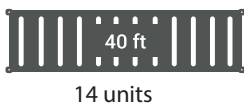
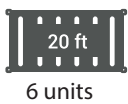


-  PLUG&PLAY
-  PEAK SAVING
-  LOW LOAD
-  LOAD SHARING
-  UPS
-  RENEWABLES INTEGRATION

| GENERAL TECHNICAL DATA | | EHR 20/20 | EHR 20/40 |
|---|--------|-----------------------------------|---------------------|
| Nominal rated power | kVA | 20 | 20 |
| Nominal energy storage capacity | kWh | 21,3 | 42,6 |
| Rated voltage (60Hz) | VAC | 240-120 | |
| Maximum power input | A | 100 | |
| Maximum passthrough | A | 100 | |
| Operating temperature | °C | -15 to 50 | |
| Protection | | Overload, Overheat, Short Circuit | |
| BATTERIES | | | |
| Quantity | Un | 6 | 12 |
| Type | | LFP (LiFePO ₄) | |
| Battery system voltage | VDC | 48 | |
| DoD % (depth of discharge) | | 90% | |
| Energy density | Wh/kg | 111 | |
| Overcurrent capability | | up to 2 x recommended current | |
| Lifetime (90% DoD) | Cycles | 6000 | |
| Battery management system | | LFP batteries with built-in BMS | |
| Maintenance charge cycle | | 1 week | |
| INVERTER | | | |
| Quantity | Un. | 2 | 2 |
| Total nominal power | kVA | 20 | 20 |
| Max. Charging current | A | 200 | |
| OVERLOAD | | | |
| Peak power of 200% of the nominal power (short-circuit) | | | 0,5 seconds |
| 150% of nominal power where the output voltage remains stable | | Not available | 5 seconds |
| 130% of nominal power where the output voltage remains stable | | | 30 minutes |
| Start up current of loads (2 Phase motor) | | | 3 x nominal current |

| PERFORMANCE | | EHR 20/20 | EHR 20/40 |
|------------------------------------|-----|------------------------------|-----------|
| Recommended generator size | kVA | 34 - 130 | |
| Max outlet hybrid system | A | 183 | |
| Recharging time / Maintenance time | | | |
| Recharging time | h | 1,75 | 3,50 |
| Maintenance recharging (@DoD%) | h | 5,59 | 11,17 |
| Discharging autonomy | | | |
| 100% nominal power | h | 1,09 | 2,18 |
| 75% nominal power | h | 1,46 | 2,91 |
| 50% nominal power | h | 2,18 | 4,37 |
| 25% nominal power | h | 4,37 | 8,74 |
| RENEWABLE ENERGY | | | |
| MPPT | | 2 x 4kW MPPT | |
| Protections | | SPD + MLCB | |
| Max. PV short circuit current | | 140A (max 30A per MC4 conn.) | |
| Max. PV voltage | | 250V | |
| Connectors | | 6 pair 30A - MC4 | |

| DIMENSIONS AND WEIGHT | | EHR 20/20 | EHR 20/40 |
|------------------------|----|--------------------|-----------|
| Dimensions (L x W x H) | mm | 1620 x 1150 x 1920 | |
| Weight | kg | 1031 | 1287 |
| Batteries Weight | kg | 192 | 384 |



SCOPE OF SUPPLY

ANOPY

- Powder coating with primer coating according to HIMOINSA standards.

ACCESIBILITY

- Wide doors to check servicing and commissioning in customer interface.
- Cables entry

SECURITY

- Internal locker for batteries.
- Antitheft hinges and door lockers.
- Earth pin (grounding rod not included)

TRANSPORTABILITY

- Forklift pockets
- Lifting hook

OPTIONALS

- Custom colors.
- Custom sockets distribution (input and output)
- Automatic Bypass function
- Galvanized baseframe
- Trailer

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CONTROL PANEL

| | |
|------------------------|--|
| Model | HICORE Control module with TFT4.3" display and buttons |
| Remote generator start | Dry contact relay |
| Remote communication | 3G/4G Dual SIM modem / router. eHR Battery Power Box Software / C2Cloud |
| Communication | Web APP |



HICORE[®] HIMOINSA SYSTEM

HICORE guarantees the optimisation of the different power sources by means of an interface that has been designed to provide a guided and simple experience for any operator, who will be able to choose the most appropriate working mode at any given moment. In addition, to ensure immediate start-up, we offer a Plug&Play mode which allows the EHR to automatically decide which is the best operational option at any given moment based on a constant analysis of the load profile and the connected sources.



Start ASSISTANT to set up a working mode or to charge the batteries.



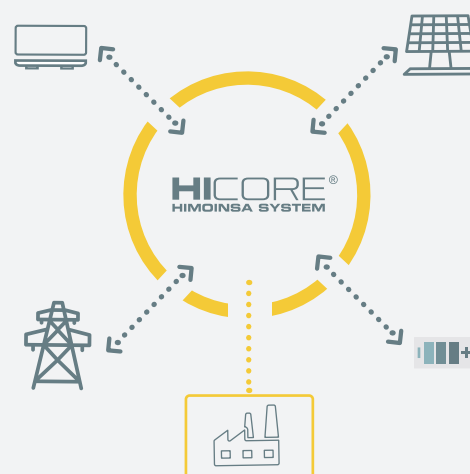
User experience

Easy system configuration and handling. Smart guidance throughout the start-up process with a wizard, making it easy to operate the unit.



Always connected

Get all the performance info you need through C4CLOUD which comes pre-installed on the unit. Monitor, read and analyse all the performance and load profile information locally or remotely (4G) to optimise your site's power solution.



| SOCKETS OPTIONS | | 240V/60Hz/2p+N | |
|-----------------|--|----------------|--|
| | | V1 | |
| IN | TWISTED LOCKS - 4 Connectors L1 Black - L2 Red N White - G Green | 1 | |
| | 120V 60Hz 20A | 1 | |
| OUT | TWISTED LOCKS - 4 Connectors L1 Black - L2 Red N White - G Green | 1 | |
| | 1 x 120V 60Hz 20A | 1 | |
| | 2 x 240/120V 50A | 1 | |

Every socket include circuit breaker. Power Output protected by Earth Leakage Relay. Domestic sockets with ELR



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