

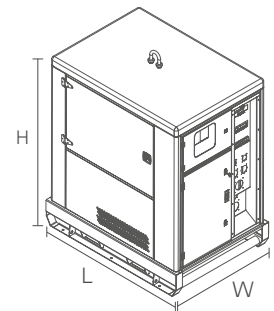
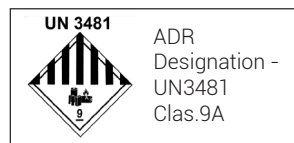
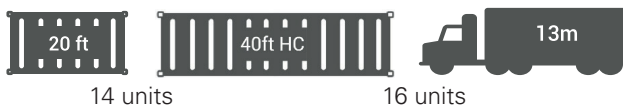
Mobile Power



GENERAL TECHNICAL DATA		EHR 40/60
Nominal rated power	kVA	40
Nominal energy storage capacity	kWh	56,8
Rated voltage (60Hz)	VAC	240/120v
Maximum power input	A	200
Maximum passthrough	A	200
Operating temperature	°C	5 to 122
Protection		Overload, Overheat, Short Circuit
BATTERIES		
Quantity	Un	16
Type		LFP (LiFePO ₄)
Battery system voltage	VDC	48
DoD % (depth of discharge)		90%
Energy density	Wh/kg	111
Overcurrent capability		up to 2,5 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.	4
Total nominal power	kVA	40
Max. Charging current	A	460
OVERLOAD		
Peak power of 200% of the nominal power (short-circuit)		0,5 seconds
150% of nominal power where the output voltage remains stable		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 40/60
Recommended generator size	kVA	50 - 100 (60kVA Min. peak shaving)
Max outlet hybrid system	A	250
Recharging time / Maintenance time		
Recharging time	h	2,45
Maintenance recharging (@DoD%)	h	14,90
Discharging autonomy		
100% nominal power	h	1,09
75% nominal power	h	1,46
50% nominal power	h	2,18
25% nominal power	h	4,37
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 40/60
Dimensions (L x W x H)	mm	1620 x 1150 x 1920
Weight	kg	1530
Batteries Weight	kg	512



SCOPE OF SUPPLY

CANOPY

- 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

HIMOINSA has the right to modify any feature without prior notice. The images are indicative and may not coincide in their entirety with the product. Images non contractual.

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.



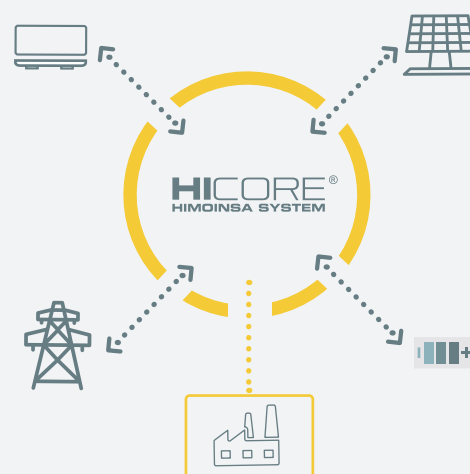
User experience

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.



SOCKET OPTIONS		240/120V/60Hz/2p+N+E V1
IN	120V 60Hz 20A Waterproof Receptable (HBL61CM64)	1
	400A 4/0 Single Pin Male Camlocks	L1 + L2 + N + E
OUT	120V 60HZ 20A Waterproof Receptable (HBL61CM65)	1
	240V 50A Waterproof Twist Lock Connector (CS6369)	2
	400A 4/0 Single Pin Female Camlocks	L1 + L2 + N + E

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

