

Mobile Power



PLUG&PLAY



PEAK
SAVING



LOW
LOAD



LOAD
SHARING



UPS



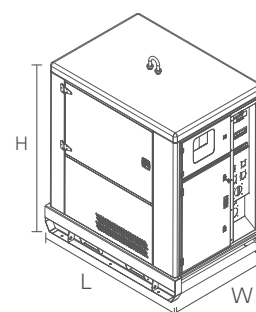
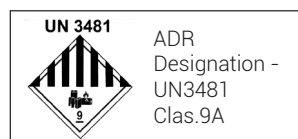
RENEWABLES
INTEGRATION

GENERAL TECHNICAL DATA		EHR 90/130
Nominal rated power	kVA	90
Nominal energy storage capacity	kWh	127,8
Rated voltage (50Hz)	VAC	400/230
Maximum power input	A	200
Maximum passthrough	A	200
Operating temperature	°C	-15 to 50
Protection		Overload, Overheat, Short Circuit
BATTERIES		
Quantity	Un	36
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 month
INVERTER		
Quantity	Un.	6
Total nominal power	kVA	90
Max. Charging current	A	1200
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

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PERFORMANCE		EHR 90/130
Recommended generator size	kVA	60 - 180
Max outlet hybrid system	A	330
Recharging time / Maintenance time		
Recharging time	h	2,56
Maintenance recharging (@DoD%)	h	16,76
Discharging autonomy		
100% nominal power	h	1,64
75% nominal power	h	2,18
50% nominal power	h	3,28
25% nominal power	h	6,55
RENEWABLE ENERGY		
MPPT		1 x 4kW MPPT
Protections		SPD + MLCB
Max. PV short circuit current		140A (max 30A per MC4 conn.)
Max. PV voltage		250V
Connectors		3 pair 30A - MC4

DIMENSIONS AND WEIGHT		EH 90/130
Dimensions (L x W x H)	mm	2250 x 1200 x 2080
Weight	kg	2600
Batteries Weight	kg	1152



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

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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.



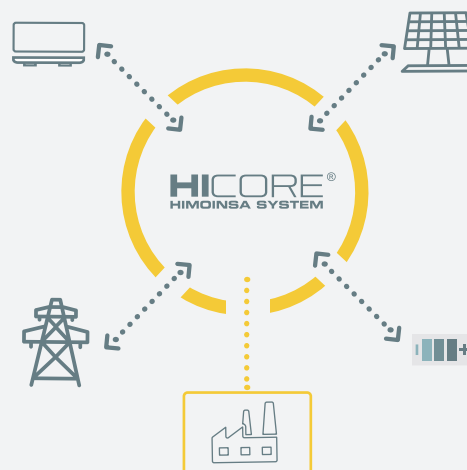
User experience

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		400V/50Hz/3p+N
IN	CETAC 5Px125A 400v	1
	CETAC 3Px16A 230v	1
	POWERLOCKS 3ph+n+t	1*
OUT	CETAC 5Px125A 400v	1
	CETAC 5Px63A 400v	1
	CETAC 5Px32A 400v	1
	CETAC/PIM/RIM 3Px16A 230v	2

Every socket include circuit breaker. Power Output protected by Earth Leakage Relay. Domestic sockets with ELR.
*The powerlocks option will only be available if the busbar input is not selected.



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