

Mobile Power



 Zero Emissions
Zero Noise



PLUG&PLAY



PEAK SAVING



LOW LOAD



LOAD SHARING



UPS



RENEWABLES INTEGRATION

GENERAL TECHNICAL DATA		EHR 30/70	EHR 30/90
Nominal rated power	kVA	30	30
Nominal energy storage capacity	kWh	71	85,2
Rated voltage (60Hz)	VAC	208	
Maximum power input	A	100	
Maximum passthrough	A	100	
Operating temperature	°C	-15 to 50	
Protection		Overload, Overheat, Short Circuit	
BATTERIES			
Quantity	Un	20	24
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.	3	3
Total nominal power	kVA	30	30
Max. Charging current	A	300	
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 30/70	EHR 30/90
Recommended generator size	kVA	34 - 130	
Max outlet hybrid system	A	244	
Recharging time / Maintenance time			
Recharging time	h	3,06	3,67
Maintenance recharging (@DoD%)	h	18,60	22,32
Discharging autonomy			
100% nominal power	h	1,82	2,18
75% nominal power	h	2,43	2,91
50% nominal power	h	3,64	4,37
25% nominal power	h	7,28	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		

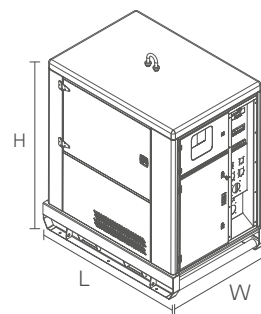
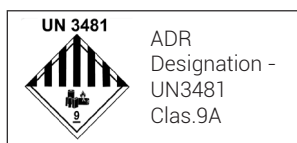
DIMENSIONS AND WEIGHT		EHR 30/70	EHR 30/90
Dimensions (L x W x H)	mm	1620 x 1150 x 2220	
Weight	kg	1688	1816
Batteries Weight	kg	640	768



14 units



16 units



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.



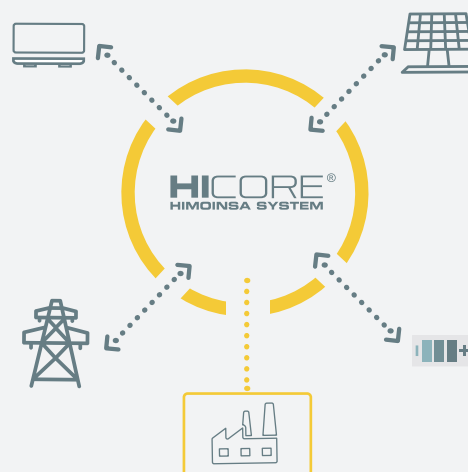
User experience

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		208V/60Hz/3p+N V2
IN	TWISTED LOCKS - 5 Connectors L1 Black - L2 Red - L3 Blue N White - G Green	1
	120V 60Hz 20A	1
OUT	TWISTED LOCKS - 5 Connectors L1 Black - L2 Red - L3 Blue 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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