

Mobile Power



PLUG&PLAY



PEAK
SAVING



LOW
LOAD



LOAD
SHARING



UPS

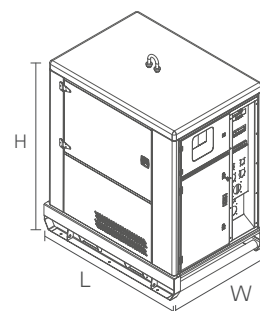


RENEWABLES
INTEGRATION

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 (50Hz)	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 (Lithium Iron Phosphate)	
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.	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		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	25 - 80	
Max outlet hybrid system	A	183	
Recharging time / Maintenance time			
Recharging time	h	1,22	2,45
Maintenance recharging (@DoD%)	h	7,45	14,90
Discharging autonomy			
100% nominal power	h	0,74	1,47
75% nominal power	h	0,98	1,97
50% nominal power	h	1,47	2,95
25% nominal power	h	2,95	5,90

DIMENSIONS AND WEIGHT		EHR 20/20	EHR 20/40
Dimensions (L x W x H)	mm	1650 x 1100 x 1800	
Weight	kg	684	940



SCOPE OF SUPPLY

CANOPY

- Powder coating with primer coating according to HIMOINSA standards.

ACCESSIBILITY

- 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)
- Galvanized baseframe
- Trailer

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.



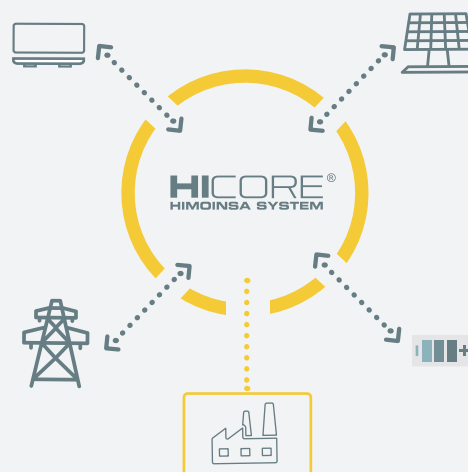
User experience

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	CAMLOCKS - 4 Connectors	
	L1 Black - L2 Red	1
	N White - G Green	
	NEMA L5-30P	1
OUT	CAMLOCKS - 4 Connectors	
	L1 Black - L2 Red	1
	N White - G Green	

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

