

## Mobile Power



PLUG&PLAY



PEAK  
SAVING



LOW  
LOAD



LOAD  
SHARING



UPS

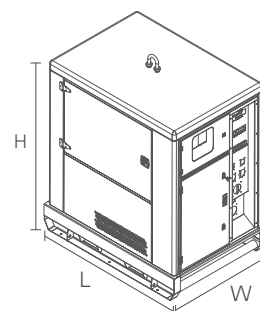


RENEWABLES  
INTEGRATION

GENERAL TECHNICAL DATA		EHR 30/30	EHR 30/60
Nominal rated power	kVA	30	30
Nominal energy storage capacity	kWh	28,4	56,8
Rated voltage (50Hz)	VAC	400/230	
Maximum power input	A	100	
Maximum passthrough	A	100	
Operating temperature	°C	-15 to 50	
Protection		Overload, Overheat, Short Circuit	
BATTERIES			
Quantity	Un	8	16
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.	3	3
Total nominal power	kVA	30	30
Max. Charging current	A	420	
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 (3 Phase motor)		3 x nominal current	

PERFORMANCE		EHR 30/30	EHR 30/60
Recommended generator size	kVA	34 - 123	
Max outlet hybrid system	A	143	
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	0,66	1,31
75% nominal power	h	0,87	1,75
50% nominal power	h	1,31	3,12
25% nominal power	h	2,62	5,24

DIMENSIONS AND WEIGHT		EHR 30/30	EHR 30/60
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	<b>HICORE</b>   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<sup>®</sup> 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.



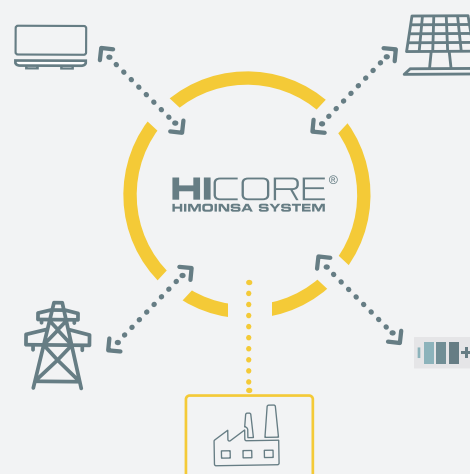
### User experience

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	
		V3	V4
IN	CETAC 5Px125A 400v	-	1
	CETAC 3Px16A 230v	1	1
OUT	CETAC 5Px125A 400v	-	1
	CETAC 5Px63A 400v	1	1
	CETAC 5Px32A 400v	1	1
	CETAC/PIM/RIM 3Px16A 230v	2	2

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

