

## Mobile Power

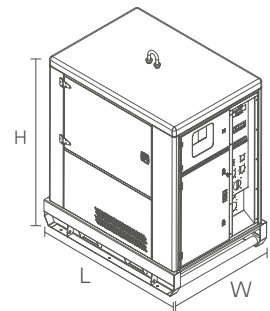
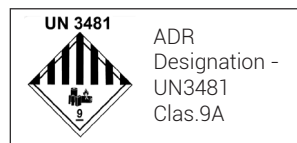
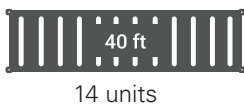
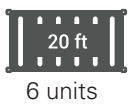


-  **PLUG&PLAY**
-  **PEAK SAVING**
-  **LOW LOAD**
-  **LOAD SHARING**
-  **UPS**
-  **RENEWABLES INTEGRATION**

GENERAL TECHNICAL DATA		EHR 45/45	EHR 45/60
Nominal rated power	kVA	45	45
Nominal energy storage capacity	kWh	42,6	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	12	16
Type		LFP (LiFePO <sub>4</sub> )	
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	45	45
Max. Charging current	A	600	
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 45/45	EHR 45/60
Recommended generator size	kVA	50 - 123	
Max outlet hybrid system	A	165	
Recharging time / Maintenance time			
Recharging time	h	1,22	2,45
Maintenance recharging (@DoD%)	h	8,68	14,90
Discharging autonomy			
100% nominal power	h	0,73	0,97
75% nominal power	h	0,97	1,29
50% nominal power	h	1,46	1,94
25% nominal power	h	2,91	3,88
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 45/45	EHR 45/60
Dimensions (L x W x H)	mm	1620 x 1150 x 1920	
Weight	kg	1222	1350
Batteries Weight	kg	384	512



## SCOPE OF SUPPLY

### ANOPLY

- 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	<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.



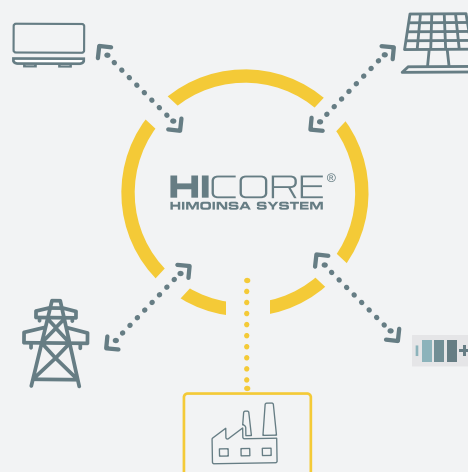
### User experience

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



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