

Mobile Power

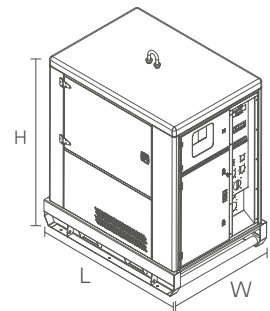
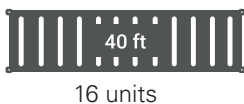
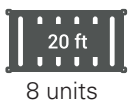


-  PLUG&PLAY
-  PEAK SAVING
-  LOW LOAD
-  LOAD SHARING
-  UPS
-  RENEWABLES INTEGRATION

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 (60Hz)	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 (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.	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		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 20/20	EHR 20/40
Recommended generator size	kVA	34 - 130	
Max outlet hybrid system	A	183	
Recharging time / Maintenance time			
Recharging time	h	1,75	3,50
Maintenance recharging (@DoD%)	h	5,59	11,17
Discharging autonomy			
100% nominal power	h	0,58	1,46
75% nominal power	h	0,78	1,94
50% nominal power	h	1,17	2,91
25% nominal power	h	2,33	5,83
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 20/20	EHR 20/40
Dimensions (L x W x H)	mm	1620 x 1150 x 1920	
Weight	kg	1031	1287
Batteries Weight	kg	192	384



SCOPE OF SUPPLY

ANOPY

- 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)
- 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.



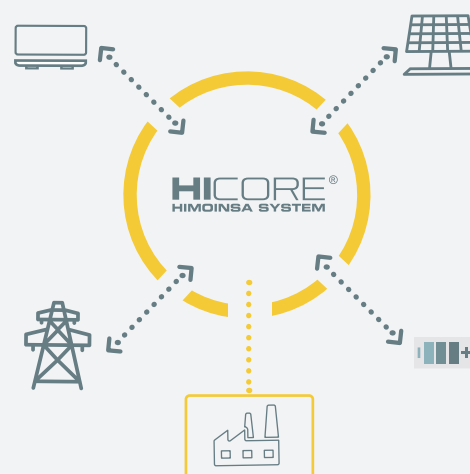
User experience

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		240V/60Hz/2p+N	
		V1	
IN	TWISTED LOCKS - 4 Connectors		
	L1 Black - L2 Red		1
	N White - G Green		
	120V 60Hz 20A		1
OUT	TWISTED LOCKS - 4 Connectors		
	L1 Black - L2 Red		1
	N White - G Green		
	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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