

EHR 20/20 BATTERY POWER GENERATOR















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	240/120V		
Maximum power input	А	100		
Maximum passthrough	А	100		
Operating temperature	٥F	5 to 122		
Protection		Overload, Overheat, Short Circuit		
BATTERIES				
Quantity	Un	6	12	
Туре		LFP (Lithium Iron	LFP (Lithium Iron Phosphate)	
Battery system voltage	VDC	48	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	А	200	200	
OVERLOAD		EHR 20/20	EHR 20/40	
Peak power of 200% of the nominal power (short-circuit)		Not Available	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		Not Available	30 minutes	
Start up current of loads (3 Phase motor)		Not Available	3 x nominal curren	

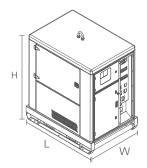






PERFORMANCE		EHR 20/20	EHR 20/40
Recommended generator size	kVA	2	25-80 (60 kVA Min. for peak shaving
Max outlet hybrid system	А	183	
Recharging Time / Maintenance Time			
Recharging time	h	1.17	2.34
Maintenance recharging (@DoD%)	h	5.59	11.17
Discharging autonomy			
100% nominal power	h	0.74	1.47
75% nominal power	h	0.98	1.97
50% nominal power	h	1.47	2.95
25% nominal power	h	2.95	5.90
RENEWABLE ENERGY			
MPPT		8 kW	8kW
Overcurrent protections	h	SPD + MLCB	SPD + MLCB
Connectors	h	6 Pair 30A - MC4	6 Pair 30A - MC4

DIMENSIONS AND WEIGHT		EHR 20/20	EHR 20/40
Dimensions (L x W x H)	in	65 x 43.30 x 71	
Dimensions Trailer (L x W x H)	in	128.3 x 74 x 97	
Weight (Without Trailer)	lbs	1508	2072







8 units

16 units

SCOPE OF SUPPLY

CANOPY

 Powder coating with primer coating according to HIPOWER SYSTEMS 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

ADDITIONAL OPTIONS

- 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 guarantees the optimization 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.



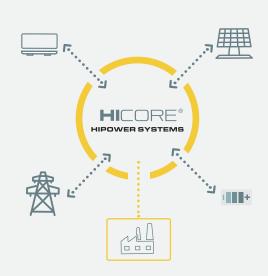
User experience

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 analyze all the performance and load profile information locally or remotely (4G) to optimize your site's power solution.



SOCKETS OPTIONS		240/120V/60Hz/2p+N +E
JOURE		V1
IN	120V 20A Waterproof Receptacle (HBL61CM64)	1
	400A 4/0 Single Pin Male Camlocks	L1+ L2+N+E
	120V 20A Waterproof Receptacle (HBL61CM65)	1
OUT -	240V 50A Waterproof Twist Lock Connector (CS	6369) 2
	400A 4/0 Single Pin Female Camlocks	L1+ L2+N+E

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



Rev 5.

