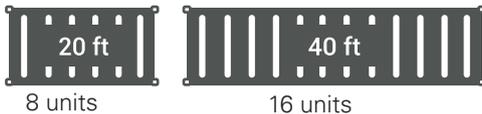
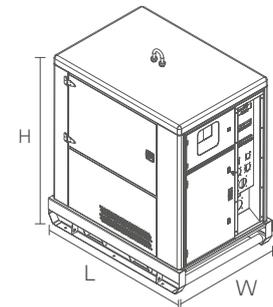




GENERAL TECHNICAL DATA		EHR 20/20	EHR 20/40
Nominal rated power	kVA	20	20
Nominal energy storage capacity	kWh	21.3	42.6
Rated voltage (60Hz)	VAC	240/120V	
Maximum power input	A	100	
Maximum passthrough	A	100	
Operating temperature	°F	5 to 122	
Protection		Overload, Overheat, Short Circuit	
BATTERIES			
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		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 current

PERFORMANCE		EHR 20/20	EHR 20/40
Recommended generator size	kVA	25-80 (60 kVA Min. for peak shaving)	
Max outlet hybrid system	A	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	EHR20/40
Dimensions (L x W x H)	in	65 x 43.30 x 71	
Weight	lbs	1508	2072



## SCOPE OF SUPPLY

### CANOPY

- Powder coating with primer coating according to HIPOWER SYSTEMS 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®

HIPOWER SYSTEMS

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.



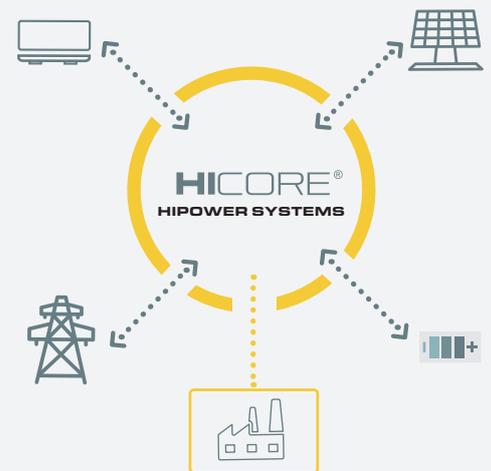
### User experience

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
		V1
IN	120V 20A Waterproof Receptacle (HBL61 CM64)	1
	400A 4/0 Single Pin Male Camlocks	L1+ L2+N+E
OUT	120V 20A Waterproof Receptacle (HBL61 CM65)	1
	240V 50A Waterproof Twist Lock Connector (CS6369)	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



HIPOWER SYSTEMS has the right to modify any feature without prior notice. The images are indicative and may not coincide in their entirety with the product. Images non contractual.