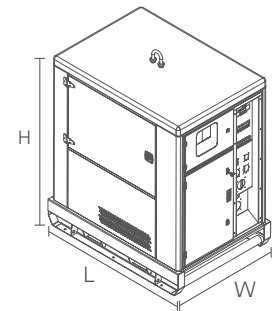




GENERAL TECHNICAL DATA		EHR 40/60
Nominal rated power	kVA	40
Nominal energy storage capacity	kWh	56,8
Rated voltage (60Hz)	VAC	240/120v
Maximum power input	A	200A
Maximum passthrough	A	200A
Operating temperature	°F	5 to 122
Protection		Overload, Overheat, Short Circuit
BATTERIES		
Quantity	Un	16
Type		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.	4
Total nominal power	kVA	40
Max. Charging current	A	460
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 40/60
Recommended generator size	kVA	50 - 100 (60 kVA Min. for peak shaving)
Max outlet hybrid system	A	250A
Recharging time / Maintenance time		
Recharging time	h	2.17
Maintenance recharging (@DoD%)	h	9.77
Discharging autonomy		
100% nominal power	h	1.09
75% nominal power	h	1.46
50% nominal power	h	2.18
25% nominal power	h	4.37
RENEWABLE ENERGY		
MPPT		4 kW
Overcurrent Protections	h	SPD + MLCB
Connectors	h	6 Pair 30A - MC4

DIMENSIONS AND WEIGHT		EHR 40/60
Dimensions (L x W x H)	in	65 x 43.30 x 71
Weight	lbs	3373



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	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®

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.



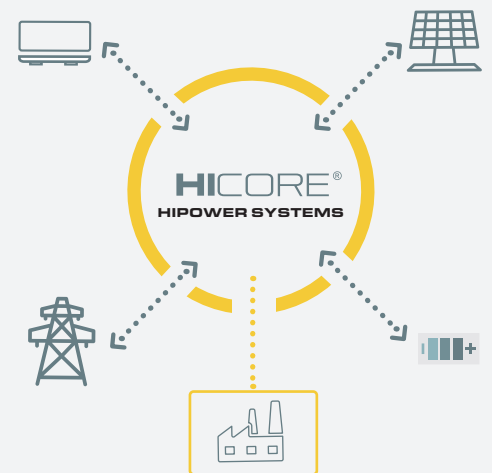
User experience

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.