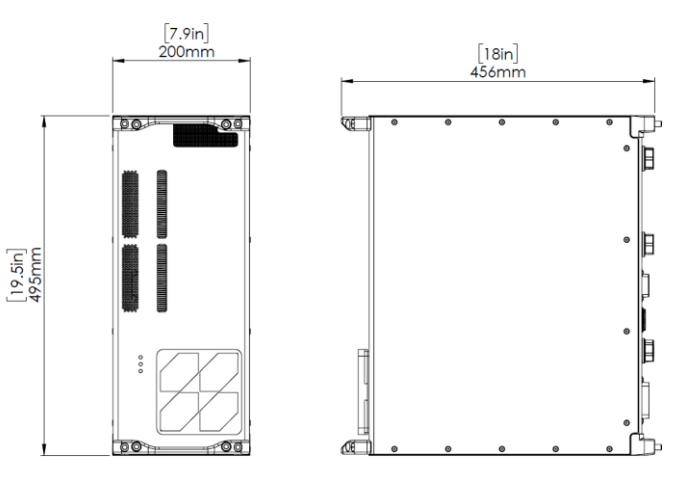
12kW Inverter tech specs

H⁴V12000

Category	Specification	Unit	Value	Notes
Inverter	Input voltage range	V DC	23-29V	
	Nominal battery voltage	V DC	25.6	
	Output voltage	V AC	230 (50Hz) 240V (60Hz)	±2%
	Output frequency	Hz	50/60	±0.01%
	Continuous output at 25℃	W	12000	At unity power factor. For 12kW output three batteries required
	Continuous output at 40℃	W	12000	At unity power factor. For 12kW output three batteries required
	Continuous output at 65℃	W	TBA	At unity power factor
	Peak power	W	16000	3 secs
	Input current	A DC	494	At nominal input voltage
	Maximum continuous Output current	A AC rms	53	
	Power factor range		-1 to 1	
	Maximum output fault current	A AC rms	71	
	Maximum efficiency	%	97	
	Zero load power	W	30	
	AC Output Connector		Proprietary	Connection to Rack
	Solar charge maximum input voltage	V DC	50	
	Solar charge input max current	A DC	250	
	Solar charge input connector		Proprietary	
	Fan speed	RPM	0-13000	Automatically controlled
Communications	NMEA2000		Yes	Via HikoTerra gateway
	Wi-Fi		Yes	Via HikoTerra gateway
	Bluetooth		Yes	Via HikoTerra gateway
	Fibre Optic		Yes	Connector less plastic optical fibre (POF) cable to the Generator Controller
Physical	Dimensions	HxWxD mm	495x200x465	Does not include rack
	Weight	kg	24	
Environmental	Protection		IP30	
	Operating temp - Full power	℃	-20 to +40	
	Operating temp	℃	-20 to +50	
	Operating humidity	%	0-95% non-condensing	
	Storage temp	℃	-40 to +80	
Standards & Compliance	Safety		EN 62477-1	
	Emissions		IEC 60945	
	ABYC		E-11, A-31	
	RCM		EESS AS/NZS 4417.2 – Level 1 equipment	



Dimensional Drawing



HIKOTERRA