The HIBPV3™ Series





P317E



The HIBPV3 Bidirectional Inverter series allows the easy setup of large PV systems DC coupled with energy storage.

The HIBPV3 series is a modular bidirectional transformerless energy storage inverter conceived in modules of 30, 50, 100, 150, 250 and 500KW.

The HIBPV3 Series is designed to allow the easy setup of large PV systems coupled with batteries by simply connecting the batteries, load, PVs, Diesel Generator and Grid (if available) directly into the Inverter.

International units are available in 400/230Vac, 50/60Hz while North American units are available in 460/277Vac 50/60Hz.

A containerized version with full environmental protection (temperature, humidity, saline vapors, heavy winds) is also available from 750KW to 2MW per container.

The HIBPV3 is ideal to power large remote industrial sites, factories, mines, islands, etc.

Product Description

The HIBPV3 series is a modular bidirectional transformerless energy storage inverter conceived in modules of 30, 50, 100, 150, 250 and 500KW.

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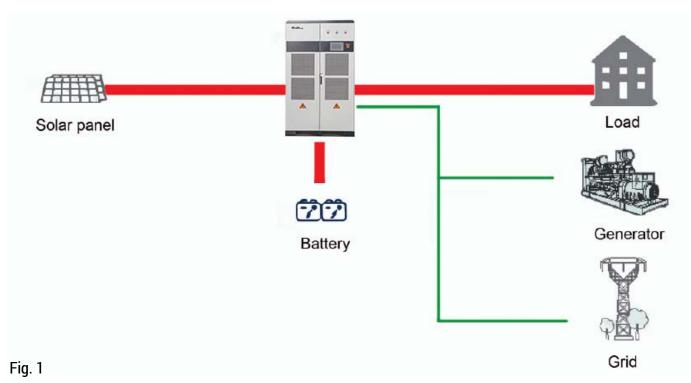
The HIBPV3 includes a sophisticated field configurable Energy Management Software (EMS) allowing to easely setup the unit on the field

A containerized version with full environmental protection (temperature, humidity, saline vapors, heavy winds) is also available from 750KW to 2MW per container.

The HIBPV3 is ideal to power large remote industrial sites, factories, mines, islands, etc.

Easy installation and maintenance was at the base of the design permitting easy access to electrical connections and serviceable components.





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Product Features

Fully Integrated

The HIBPV3 is fully integrated, allowing to connect load, batteries, grid, diesel generator and PV to the same unit which manages all operations.

Built-In Energy Management Software

The HIBPV3 includes energy Management Software (EMS) allowing the unit to operate in different modes as configured on the field.

Optimization of the use of renewable energy

The HIBPV3 built-in software, includes advances algorithms that with optimize the generation and use of renewable energy over diesel generators or the grid (if available).

On-Grid and Off-Grid Operation

The HIBPV3 can operate in both On-Grid and Off-Grid mode. When utility is available it uses the PV input to charge the batteries on priority basis while drawing just the necessary power from the utility to complete the charging. In the case where generator is operational, the HIBPV3 may be programmed to draw a limited amount of energy for charging as set by the user. When utility / diesel is not operational, the HIBPV3, charges first the batteries from the available solar energy, supplies the load and injects the remaining energy in the grid if available. Upon low battery condition, the HIBPV3 initiates the starting of the generator and shuts it down when battery reaches a preset charging level.

Seamless transfer time from On-Grid to off-Grid

The HIBPV3 uses static switch when switching between off-Grid and on-grid operation in order to avoid downtime.

PV configuration can be field programmed.

In some instances, it is desirable to add energy storage to an existing on-grid solar array. In such a case it is costly and cumbersome to change the existing PV configuration. In most cases, the HIBPV3 can be software configured to adapt to the existing PV array without the need for any changes.

Prediction of remaining runtime

The HIBPV3 continuously calculates the estimated available run time on batteries based on the current conditions. The data is available on the unit screen but can also be read on any device that can connect to the HIBPV3 via CANBUS or RS485 MODBUS.

Strong Overload capability

The HIBPV3 is designed to allow 110% overload for a period of 10 minutes and up to 120% for 1 minute. This will allow the time for any breakers to trip without tripping the entire unit. This feature also allow any high starting current equipment like pumps and motors to start without tripping the unit.

Multi-Level Protection circuitry

The HIBPV3 is fully protected against surges from both the DC and AC side. The unit also includes multi-level protection circuitry to avoid cascaded failures.

Easy to install, connect and operate

The HIBPV3 uses an intuitive graphic user interface allowing the easy initial setup and operation of the unit.

Field configurable battery

The HIBPV3 may be setup on the field to connect to lead based or Lithium based batteries.

Seamless, easy operation:

The HIBPV3 is engineered to operate without any user intervention. There is no need to push any buttons or understand how it works. It simply does.

Intelligent Battery Management

The HIBPV3 Modular Decentralised Inverter includes an intelligent battery charger that includes a float/boost charger and a dynamic cut-off level that reduces battery maintenance and improves battery life.

Up to 4 Units can be connected in Parallel

Up to 4 Units can be placed in parallel to quadruple the power capacity and of course create N+X Redundancy.



Standard Containerized HIBPV3 Inverters

E24 offers pre-engineered and preassembled containerized HIBPV3 Inverters in a manner to facilitate pricing, deployment and scaling of projects.

HIBPV3 inverters are installed in temperature isolated standard 20ft containers with all the controls, fire fighting and HVAC needed for continuous operation under the harshest environmental conditions.



International Models

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Reference:	HIBPVC3-750KI	HIBPVC3-1MI	HIBPVC3-1M5I	HIBPVC3-2MI				
Inverter Used	HIBPV3-250KI	HIBPV3-500KI	HIBPV3-500KI	HIBPV3-500KI				
Number of Units	3	2	3	4				
Power per Container (KW)	3x250	3x250 2x500 3x500						
DC Voltage Input Range (Vdc)	420-850		500-850					
Output and Grid/Diesel Genset Voltage (Vac), Freq.(Hz)		400/	230, 50/60					
Communication		RS485 Mod	bus, CAN, TCP/IP					
Efficiency at 0.5C Rate of Discharge	96%							
Dimensions (WxDxH) (mm)	20Ft Container (6058x2438x2896)							
Weight (Kg)	7655	9692	13388	17084				
Index of Protection			IP65					
Design Life (Years)			30+					
Operating Temperature (°C)	-40 to + 60							
Humidity (%)	6 to 95							
Altitude (m)	5000							
Standard Warranty		31	/ears (*)					

^(*) Refer to Terms and Conditions

North American Models

Reference:	HIBPVC3-750KD	HIBPVC3-1MD	HIBPVC3-1M5I	HIBPVC3-2MD				
Inverter Used	HIBPV3-250KD	HIBPV3-500KD	HIBPV3-500KD	HIBPV3-500KD				
Number of Units	3	2	3	4				
Power per Container (KW)	3x250	2x500	3x500	4x500				
DC Voltage Input Range (Vdc)	420-850		500-850					
Output and Grid/Diesel Genset Voltage (Vac), Freq.(Hz)		460/	277, 50/60					
Communication		RS485 Mod	bus, CAN, TCP/IP					
Efficiency at 0.5C Rate of Discharge			96%					
Dimensions (WxDxH) (mm)	20Ft Container (6058x2438x2896)							
Weight (Kg)	7655	9692	13388	17084				
Index of Protection			IP65					
Design Life (Years)			30+					
Operating Temperature (°C)		-4) to + 60					
Humidity (%)	6 to 95							
Altitude (m)	5000							
Standard Warranty		3 Y	ears (*)					
(*) Pofor to Torms and Conditions		·						

(*) Refer to Terms and Conditions

Container Customizations

State of the art Smoke Detection:

E24 uses advanced smoke detector system (ASD) that operates by constantly aspirating air to detect any electrolytic gas particles. ASDs use use dual-wavelength technology to reliably detect electrical fires as well as electrolytic gases and vapors, even at high air speeds and low gas concentrations.

High end Fire Extinguishing System:

Upon any electrolytic gas detection, the battery system is flooded with a gaseous extinguishing agent introduced through nozzles. The gas displaces the oxygen that sustains the fire, thus extinguishing even hidden and obscured fires.

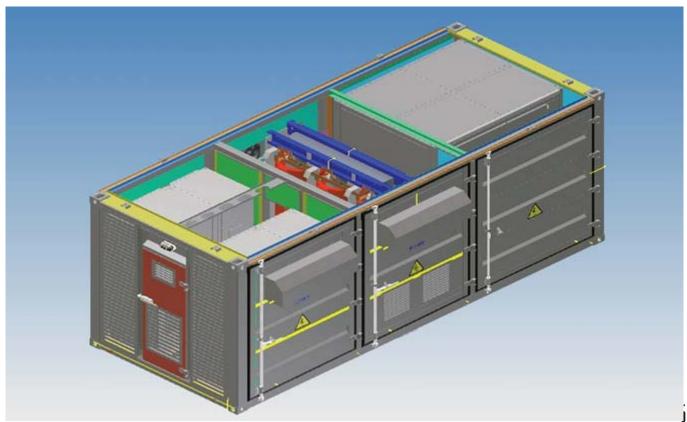
Secrity System:

LFP Containers are designed in manner to include all the equipment (batteries, equipment, ACs etc.) in a temper-proof container. Each container also includes an advanced security system that would immediately trigger an alarm and notify a number of related parties through the cloud interface in case of a security breach.

The container is fitted with an internal locking mechanism that prevents its opening even if the lock on the door is cut. All security events are logged on the cloud and can be programmed to alert different people be email and SMS.







Technical Specifications (International)

(Grid-Connected)	HIBPV3-30KI	HIBPV3-50KI	HIBPV3-100KI	HIBPV3-120KI	HIBPV3-150KI	HIBPV3-250KI	HIBPV3-500KI
	8-600-00000	556-64592-647	M1.11 (46-36-72 M1)	51 813 Epicop 441		1700 CO 100 CO 1	Significant Texts
Apparent power	33kVA	55kVA	110kVA	132kVA	165kVA	285kVA	550kVA
Rated power	30kW	50kW	100kW	120kW	150kW	250kW	500KW
Rated voltage	424	724	400V	1724	2174	361A	722A
Rated current Voltage range	43A	72A	144A 360V - 440V	173A	217A	JUIN	1667
Rated frequency			50/60Hz				
Frequency range			45~55/55~65Hz				
THDI			<3%				
PF			0.8lagging~0.8leading				
AC connection			3/N/PE				
AC input	60kVA	100kVA	200kVA	240kVA	240kVA	400kVA	800kVA
(Off-Grid)							
Apparent power	33kVA	55kVA	110kVA	132kVA	165kVA	285kVA	550kVA
Rated power	30kW	50kW	100kW	120kW	150kW	250kW	500KW
Rated voltage			400V				
Rated current	43A	72A	144A	173A	217A	361A	722A
THDU	≤2%linear	≤2%linear	≤2%linear				
Rated frequency			50/60Hz				
Overload capability			110%-10 mins 120%-1 min				
(Battery and PV)							
Max. PV open-circuit voltag	e		1000V DC				
Max. PV power	45kWp	75kWp	150kWp	180kWp	225kWp	360kWp	720kWp
PV MPPT voltage range			480V-800V DC				
Battery voltage range at Max. charge power	450V-600V	500V-600V	500V-600V	517V-600V	500V-600V	420V-850V	500V-850V
Battery voltage range			352-600V				
Max. charge power	45kW	75kW	150kW	180kW	225kW	360kW	720kW
Max. discharge power	33kW	55kW	110kW	132kW	165kW	285kW	550kW
Max. charge current	100A	150A	300A	350A	450A	720A	1440A
Max. discharge current	93A	156A	313A	374A	467A	570A	1100A
neral Information —							
Protection degree			IP20				
Noise emission			<65dB(A)@1m				
Operating temperature			-25 °C~+55 °C				
Cooling			Forced-air				
Relative humidity			0-95% non-condensing				
Maximum altitude			6000m (derate over 3000m	n)			
Dimension (W/H/D)	700/1660/600mm	950/1860/750mm	1200/1900/800mm	1200/1900/800mm	1200/1900/800mm	1800/2050/800mm	2800/2050/10
Weight	355kg	610kg	948kg	1025kg	1230kg	1700kg	3720kg
Build-in transformer	::::::::::::::::::::::::::::::::::::::		Yes	econdTCF.i	santii#	DEVEKSELETE	
Transfer between on/off gri	d		Automatic≤10ms				
Standby consumption			<30W				
The state of the s							
nmunication							
nmunication ————— Display			Touch screen				

Certificates CE, MEA, PEA, AS 4777.2. EN 61000-6-4:2007+A1:2011, EN61000-6-2:2005, EN62109-1:2010, EN62109-2:2011, EN 50549-1:2019, IEC62109.1, IEC62109.2, NRS 097-2-1:2017, G99, VDE-AR-N 4105:2018, DIN VDE V 0124-100:2020-06

Technical Specifications (North America)

Grid Connected)		HIBPV3-30KD					HIBPV3-50KD						
Apparent power			33kVA					55kVA					
Rated power			30kW			50kW							
Rated voltage	190V	200V	208V	220V	240V	190V	200V	208V	220V	240V			
Rated current	91A	87A	83A	79A	72A	152A	144A	139A	131A	120A			
Voltage range	171-209V	180-220V	187-229V	198-242V	216-264V	171-209V	180-220V	187-229V	198-242V	216-264			
Rated frequency			50/60Hz					50/60Hz					
Frequency range		45	~55/55~65	Hz			45	~55/55~6	5Hz				
THDI			<3%					<3%					
PF		0.8lag	gging~0.8le	ading			0.8la	gging~0.8l	eading				
AC connection			3/N/PE					3/N/PE					
ACinput			45kVA					75kVA					
Off-Grid)													
Apparent power			33kVA					55kVA					
Rated power			30kW					50kW					
Rated voltage	190V	200V	208V	220V	240V	190V	200V	208V	220V	240V			
Rated current	91A	87A	83A	79A	72A	152A	144A	139A	131A	120A			
THDU			≤2%linear					≤2%linear	r				
Rated frequency			50/60Hz					50/60Hz					
Overload capability		1	10%-10 mir 120%-1 mir	ns n			1	10%-10 mi 120%-1 mi	ins n				
attery and PV)													
Max. PV open-circuit voltage			1000V DC					1000V DC					
Max. PV power			45kWp			75kWp							
PV MPPT voltage range		4	80V-800V D	C		480V-800V DC							
Battery voltage range at Max. charge power			450V-600V					500V-600V	/				
Battery voltage range			352-600V			352-600V							
Max. charge power			45kW			75kW							
Max. discharge power			33kW			55kW							
Max. charge current			100A			150A							
Max. discharge current			93A			156A							
ral Information													
Protection degree			IP20					IP20					
Noise emission		<	65dB(A)@1	m		<65dB(A)@1m							
Operating temperature		-25 °C~+55 °C						-25 °C~+55 °C					
Cooling			Forced-air			Forced-air							
Relative humidity		0-95%	non-cond	ensing		0-95% non-condensing							
Maximum altitude		6000m (derate over 3000m)						6000m (derate over 3000m)					
Dimension (W/H/D)		700/1660/600mm						950/1860/750mm					
Weight			355kg					610kg					
Build-in transformer			Yes					Yes					
Transfer between on/off grid		Au	tomatic≤10	Oms			Au	tomatic≤1	0ms				
Standby consumption		, 10	<30W				. 10	<30W	9.0000				
nunication —													
Display		Т	ouch scree	en			1	ouch scre	en				
	Touch screen					RS485/CAN							



	HIBPV3-100KD					HIBPV3-I20KD						HIBPV3-150KD			
Grid-Connected) Apparent power	110kVA								165kVA						
Rated power	100kW				132IVA 120:W							150kW			
Rated voltage	190V 200V 208V 220V 240V				190V	200V	20\$V	220V	240V	190V	200V	208V	220V		
Rated current	304A	289A	278A	262A	241A	365A	346A	333A	315A	289A	456A	433A	416A	394A	
Voltage range	171-209V	180-220V	187-229V		216-264V		180-220V		198-242V	216-264V			187-229V	198-242V	
Rated frequency			50/60Hz					50/6)Hz					50/60Hz		
Frequency range		45~	~55/55~6	5Hz			~55/55~6	5Hz	45~55/55~65Hz						
THDI			<3%					<3%		<3%					
PF		0.8lagging~0.8leading				0.8lag	ging-0.8l	eading	0.8lagging~0.8leading						
AC connection			3/N/PE					3/N'PE					3/N/PE		
AC input	140kVA	145kVA	150kVA	150kVA	150kVA	180kVA	180kVA	180lVA	180kVA	180kVA	180kVA	190kVA	195kVA	205kVA	
(Off-Grid)———															
Apparent power			110kVA					132ĮVA					165kVA		
Rated power			100kW					120cW					150kW		
Rated voltage	190V	200V	208V	220V	240V	190V	200V	208V	220V	240V	190V	200V	208V	220V	
Rated current	304A	289A	278A	262A	241A	365A	346A	333A	315A	289A	456A	433A	416A	394A	
THDU			≤2%linear	r				≤2%linea	r				≤2%linea	r	
Rated frequency			50/60Hz					50/60Hz					50/60Hz		
Overload capability		11	0%-10 mi	ns			11	10%-10 m			110%-10 mins				
Max. PV open-circuit vol Max. PV power			150kWp					180k/√p					225kWp		
			150kWp 80V-800V I 500V-600\					180k/Vp 30V-800V 517V-600					225kWp 80V-800V 500V-600V	DC	
Max. PV power PV MPPT voltage range Battery voltage range		4	80V-800V I	/				30V-800V	v				30V-800V I	DC V	
Max. PV power PV MPPT voltage range Battery voltage range at Max. charge power		4	80V-800V I	/				80V-800V 517V-600	v				80V-800V 500V-600\	DC V	
Max. PV power PV MPPT voltage range Battery voltage range at Max. charge power Battery voltage range		4	352-600V	/				30V-800V 517V-600 352-600V	v				352-600V	DC V	
Max. PV power PV MPPT voltage range Battery voltage range at Max. charge power Battery voltage range Max. charge power		4	352-600V	/				352-600V 180¢W	v				352-600V 225kW	DC V	
Max. PV power PV MPPT voltage range Battery voltage range at Max. charge power Battery voltage range Max. charge power Max. discharge power		4	352-600V 150kW	/				352-600V 180¢W	v				352-600V 225kW	DC V	
Max. PV power PV MPPT voltage range Battery voltage range at Max. charge power Battery voltage range Max. charge power Max. discharge power Max. charge current		4	352-600V 150kW 110kW 300A	/				352-600\ 180¢W 132¢W 350A	v				352-600V 225kW 165kW 450A	DC V	
Max. PV power PV MPPT voltage range Battery voltage range at Max. charge power Battery voltage range Max. charge power Max. discharge power Max. discharge current Max. discharge current		4	352-600V 150kW 110kW 300A	/				352-600\ 180¢W 132¢W 350A	v				352-600V 225kW 165kW 450A	DC V	
Max. PV power PV MPPT voltage range Battery voltage range at Max. charge power Battery voltage range Max. charge power Max. discharge power Max. discharge current Max. discharge current			30V-800V (500V-600V 352-600V 150kW 110kW 300A 313A				:	30V-800V 517V-600 352-600V 1804W 1324W 350A 374A	V (30V-800V (500V-600V 352-600V 225kW 165kW 450A 467A	DC V	
Max. PV power PV MPPT voltage range Battery voltage range at Max. charge power Battery voltage range Max. charge power Max. discharge power Max. discharge current Max. discharge current		<6	30V-800V I 500V-600V 352-600V 150kW 110kW 300A 313A	/			:	30V-800V 517V-600V 352-600V 180vW 132vW 350A 374A	V /			<	30V-800V 500V-600V 352-600V 225kW 165kW 450A 467A	DC V	
Max. PV power PV MPPT voltage range Battery voltage range at Max. charge power Battery voltage range Max. charge power Max. discharge power Max. discharge current Max. discharge current Protection degree Noise emission		<6 -2	30V-800V I 500V-600V 352-600V 150kW 110kW 300A 313A	/ Im °C			<0	30V-800V 517V-600 352-600V 180:W 132:W 350A 374A	V /			<0	30V-800V 500V-600V 352-600V 225kW 165kW 450A 467A	DC v	
Max. PV power PV MPPT voltage range Battery voltage range at Max. charge power Battery voltage range Max. charge power Max. discharge power Max. discharge current Max. discharge current Protection degree Noise emission Operating temperature		<6 -2	30V-800V I 500V-600V 352-600V 150kW 110kW 300A 313A IP20 55dB(A)@1	/ Im °C			<0	30V-800V 517V-600 352-600V 180¢W 132¢W 350A 374A IP20 555dB(λ)@	V / / Im °C			<6	352-600V 352-600V 225kW 165kW 450A 467A IP20 555dB(A)@1	DC V /	
Max. PV power PV MPPT voltage range Battery voltage range at Max. charge power Battery voltage range Max. charge power Max. discharge power Max. discharge current Max. discharge current Protection degree Noise emission Operating temperature Cooling		<6 -2 0-95%	352-600V 150W 110kW 300A 313A IP20 35dB(A)@1 5 °C~+55 Forced-air	Im °C			<0 -2 0-95%	30V-800V 517V-600 352-600V 180:W 132:W 35:0A 37:4A IP:0 55:5dB(λ)@ 55:5°C~+55 Forced-ai	V / / Im °C			<0 -2 0-95%	352-600V 352-600V 225kW 165kW 450A 467A IP20 555dB(A)@1	DC V /	
Max. PV power PV MPPT voltage range Battery voltage range at Max. Charge power Battery voltage range Max. charge power Max. discharge power Max. discharge current Max. discharge current Protection degree Noise emission Operating temperature Cooling Relative humidity		<6 -2 0-95% 6000m (c	300V-800V I 500V-600V 352-600V 150kW 110kW 300A 313A IP20 55dB(A)@1 5°C~+55 Forced-air	lm °C densing			<6 -2 0-95%	30V-800V 517V-600 352-600V 180:W 132:W 35:0A 37:4A IP:0 55:5dB(λ)@ 55:5°C~+55 Forced-ai	ov / 1m °C r densing			<6 -2 0-95%	352-600V 352-600V 225kW 165kW 450A 467A IP20 55dB(A)@ 25°C~+55	DC V / / 1m °C r densing	
Max. PV power PV MPPT voltage range Battery voltage range at Max. Charge power Battery voltage range Max. charge power Max. discharge power Max. discharge current Max. discharge current Protection degree Noise emission Operating temperature Cooling Relative humidity Maximum altitude		<6 -2 0-95% 6000m (c	30V-800V I 500V-600V 352-600V 150kW 110kW 300A 313A IP20 55dB(A)@1 5 °C~+55 Forced-air	lm °C densing			<6 -2 0-95%	30V-800V 517V-600 352-600V 180:W 132:W 35:0A 37:4A IP:0 55:dB(λ)@ 25 ℃~+55 Forced-ai non-cone	ov / 1m °C r densing			<6 -2 0-95%	352-600V 352-600V 225kW 165kW 450A 467A IP20 555dB(A)@1 25°C~+55 Forced-air	DC V / / 1m °C r densing	
Max. PV power PV MPPT voltage range Battery voltage range at Max. Charge power Battery voltage range Max. charge power Max. discharge power Max. discharge current Max. discharge current Max. discharge current eral Information Protection degree Noise emission Operating temperature Cooling Relative humidity Maximum altitude Dimension (W/H/D)		<6 -2 0-95% 6000m (c	352-600V 150W 110kW 300A 313A IP20 55dB(A)@1 5°C~+55 Forced-aii non-conc derate over	lm °C densing			<6 -2 0-95%	30V-800V 517V-600 352-600V 180:W 132:W 350A 374A IP20 555dB(λ)@ 25 °C~+55 Forced-ai non-cone derate ow 0/120e/80	ov / 1m °C r densing			<6 -2 0-95%	352-600V 352-600V 225kW 165kW 450A 467A IP20 55dB(A)@1 55°C~+55 Forced-aii non-conc derate ove	DC V / / 1m °C r densing	
Max. PV power PV MPPT voltage range Battery voltage range at Max. Charge power Battery voltage range Max. charge power Max. discharge power Max. discharge current Max. discharge current Max. discharge current Cooling Relative humidity Maximum altitude Dimension (W/H/D) Weight	grid	<6-2 0-95% 6000m (c	352-600V 150W 110kW 300A 313A IP20 55dB(A)@1 5°C~+55 Forced-air non-conc derate over 1700/80 948kg	/ °C (densing er 3000m)			<0 -2 0-95% 6000m (0	30V-800V 517V-600 352-600V 180¢W 132¢W 350A 374A IP20 555dB(λ)@ 25 °C~+55 Forced-ai non-cond derate ow 0/120¢/80 1025kg	V / °C r densing er 3000m; 0mm			<6 -2 0-95% 6000m (c	352-600V 352-600V 225kW 165kW 450A 467A IP20 555dB(A)@1 25°C~+55 Forced-ali non-conc derate ove 0/1900/80 1230kg	DC V / r densing er 3000m,	
Max. PV power PV MPPT voltage range Battery voltage range at Max. charge power Battery voltage range Max. charge power Max. discharge power Max. discharge current Max. discharge current eral Information Protection degree Noise emission Operating temperature Cooling Relative humidity Maximum altitude Dimension (W/H/D) Weight Build-in transformer	grid	<6-2 0-95% 6000m (c	352-600V 150W 110kW 300A 313A IP20 55dB(A)@1 5°C~+55 Forced-air non-conciderate over	/ °C (densing er 3000m)			<0 -2 0-95% 6000m (0	30V-800V 517V-600 352-600V 180¢W 132¢W 350A 374A IP:0 555dB(λ)@ 25 ℃~+55 Forced-ai non-cone derate ow 0/120¢/80 1025kg	V / °C r densing er 3000m; 0mm			<6 -2 0-95% 6000m (c	352-600V 352-600V 225kW 165kW 450A 467A IP20 55dB(A)@1 25°C~+55 Forced-air non-conciderate over	DC V / r densing er 3000m,	
Max. PV power PV MPPT voltage range Battery voltage range at Max. charge power Battery voltage range Max. charge power Max. discharge power Max. discharge current Max. discharge current Max. discharge current Cooling Relative humidity Maximum altitude Dimension (W/H/D) Weight Build-in transformer Transfer between on/off	grid	<6-2 0-95% 6000m (c	80V-800V I 500V-600V 352-600V 150kW 110kW 300A 313A IP20 55dB(A)@1 5 °C~+55 Forced-air non-conciderate over 1/1900/800 948kg Yes	/ °C (densing er 3000m)			<0 -2 0-95% 6000m (0	30V-800V 517V-600 352-600V 180cW 132cW 350A 374A IP30 55dB(A)@ 55 ℃~+55 Forced-ai non-cone derate ow 0/120c/80 Yes	V / °C r densing er 3000m; 0mm			<6 -2 0-95% 6000m (c	352-600V 352-600V 225kW 165kW 450A 467A IP20 55dB(A)@1 25°C~+55 Forced-ain non-conciderate over	DC V / r densing er 3000m,	
Max. PV power PV MPPT voltage range Battery voltage range at Max. charge power Battery voltage range Max. charge power Max. discharge power Max. discharge current Max. discharge current Max. discharge current Cooling Relative humidity Maximum altitude Dimension (W/H/D) Weight Build-in transformer Transfer between on/off Standby consumption	grid	<6 -2 0-95% 6000m (c 1200	80V-800V I 500V-600V 352-600V 150kW 110kW 300A 313A IP20 55dB(A)@1 5 °C~+55 Forced-air non-conciderate over 1/1900/800 948kg Yes	lm °C densing r 3000m)			<6 -2 0-95% 6000m (c 1200	30V-800V 517V-600 352-600V 180cW 132cW 350A 374A IP30 55dB(A)@ 55 ℃~+55 Forced-ai non-cone derate ow 0/120c/80 Yes	1m °C r densing er 3000m; 0mm			<6 -2 0-95% 6000m (c 1200	352-600V 352-600V 225kW 165kW 450A 467A IP20 55dB(A)@1 25°C~+55 Forced-ain non-conciderate over	DC V f Im °C r densing er 3000m; 0mm	

String Inverters Storage Inverters Batteries







E24 Modular Range Of Products For Building Easy, Flexible & Evolutive Solutions

E24 products dynamically evolve with the lifestyle and work style of its customers while easing the installation process.

E24 products are conceived in modules allowing for an easy upgrade to adjust with the needs of the customers. Being modular and easy to connect E24 products allow installers to easily configure the required modules for an optimal solution while offering easy upgrade options.



Ordering Information

Ref Number	Description
HIBPV3-30KI	Bidirectional Inverter with PV input, transformerless, 30KW, 3Phase, 400/230V, 50/60Hz
HIBPV3-50KI	Bidirectional Inverter with PV input, transformerless, 50KW, 3Phase, 400/230V, 50/60Hz
HIBPV3-100KI	Bidirectional Inverter with PV input, transformerless, 100KW, 3Phase, 400/230V, 50/60Hz
HIBPV3-150KI	Bidirectional Inverter with PV input, transformerless, 150KW, 3Phase, 400/230V, 50/60Hz
HIBPV3-250KI	Bidirectional Inverter with PV input, transformerless, 250KW, 3Phase, 400/230V, 50/60Hz
HIBPV3-500KI	Bidirectional Inverter with PV input, transformerless, 500KW, 3Phase, 400/230V, 50/60Hz
HIBPVC3-750KD	Containerized Bidirectional Inverters with PV input, transformerless, 3x250KW, 3Phase, 400/230V, 50/60Hz
HIBPVC3-1MD	Containerized Bidirectional Inverters with PV input, transformerless, 2x500KW, 3Phase, 400/230V, 50/60Hz
HIBPVC3-1M5D	Containerized Bidirectional Inverters with PV input, transformerless, 3x500KW, 3Phase, 400/230V, 50/60Hz
HIBPVC3-2MD	Containerized Bidirectional Inverters with PV input, transformerless, 4x500KW, 3Phase, 400/230V, 50/60Hz
HIBPV3-30KD	Bidirectional Inverter with PV input, transformerless, 30KW, 3Phase, 460/277V, 50/60Hz
HIBPV3-50KD	Bidirectional Inverter with PV input, transformerless, 50KW, 3Phase, 460/277V, 50/60Hz
HIBPV3-100KD	Bidirectional Inverter with PV input, transformerless, 100KW, 3Phase, 460/277V, 50/60Hz
HIBPV3-150KD	Bidirectional Inverter with PV input, transformerless, 150KW, 3Phase, 460/277V, 50/60Hz
HIBPV3-250KD	Bidirectional Inverter with PV input, transformerless, 250KW, 3Phase, 460/277V, 50/60Hz
HIBPV3-500KD	Bidirectional Inverter with PV input, transformerless, 500KW, 3Phase, 460/277V, 50/60Hz
HIBPVC3-750KD	Containerized Bidirectional Inverters with PV input, transformerless, 3x250KW, 3Phase, 460/277V, 50/60Hz
HIBPVC3-1MD	Containerized Bidirectional Inverters with PV input, transformerless, 2x500KW, 3Phase, 460/277V, 50/60Hz
HIBPVC3-1M5D	Containerized Bidirectional Inverters with PV input, transformerless, 3x500KW, 3Phase, 460/277V, 50/60Hz
HIBPVC3-2MD	Containerized Bidirectional Inverters with PV input, transformerless, 4x500KW, 3Phase, 460/277V, 50/60Hz







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