



# THE POWER OF SILENCE

ENERGY STORAGE SYSTEMS  
**FOR GREEN SOLUTIONS**



MADE IN ITALY

[www.tecnogenusa.com](http://www.tecnogenusa.com)

**Tecno** **Gen** **USA**  
POWER GENERATORS





# ENERPACK SERIES

## CLEAN, QUIET, PERFORMANT



**ENERPACK** is TECNOGEN's innovative energy storage solution, featuring advanced lithium battery technology. Designed for versatility, it seamlessly integrates and manages power from multiple sources, including the grid, generators, and solar panels. Its intelligent load management system prioritizes essential loads while efficiently supplying non-essential ones.

Compact, powerful, and highly adaptable, **ENERPACK** is easy to incorporate into various power configurations. It can function as a component within a single- or three-phase sub-circuit or serve as the primary power source for an entire site.

At the core of **ENERPACK** is the HERMES M3 Battery Management System (BMS), a cutting-edge technology entirely developed and manufactured in Italy. This proprietary software, crafted in-house by TECNOGEN's R&D team, reflects the company's expertise in both electronics and mechanical engineering.



### CLEAN ENERGY ON HAND

**ENERPACK** is suitable to be powered by renewable energy sources. Solar chargers could be easily integrated. The STAND ALONE mode with renewable energy sources integrated allows fuel saving up to 100% and provides 100% clean energy.



### A REAL SILENT SOLUTION

**ENERPACK** units are STAND ALONE ultra silent. They are the perfect solution for working in places with high human density, such as construction sites in the cities.



### COMPACT AND RELIABLE

The units have been designed for easy handling and to optimize transport. Thanks to its modular and portable structure the battery packs are very versatile and can be fully adapted to the specific requirements of the customer's needs.



### HIGH PERFORMANCES

The high number of charging cycles, the absence of maintenance, the ability to perform rapid partial charges and the wide temperature range, make this product the best solution for energy storage.



### BEST CONTROL

**ENERPACK** is the result of the synergy of different companies of BGG Group within the in **EniUS**® program.

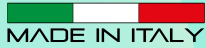
The added value of **ENERPACK** is the high level of integration and efficiency of the different components through the software made also inside BGG group. Batteries, solar chargers, inverters are integrated and share their protocol of communication.

The lithium batteries of the **ENERPACK** Series are not a closed and inaccessible system. The BMS (Battery Management System) **HERMES M3** has been designed to let the batteries communicate with the other components (solar chargers, inverters) for key-information sharing.



# THE SMART ENERGY STORAGE SYSTEM

WITH LITHIUM BATTERY AND INTEGRATED INVERTER/CHARGER



STORAGE RANGE 320 ÷ 2000 kWh - THREE PHASE / 60 Hz

# ENERPACK SERIES



# ZERO EMISSION



## KEY FEATURES

- Up to more than 350% overload capacity for 300 seconds
- Parallel capability standard
- Digital control panel
- Distribution panel with camlocks and service outlets
- 40', 20' and 10' Container
- 4-point lift
- Forklift guides
- EV charger DC CCS1 and AC TYPE1 as option

## POWER SOURCES



PHOTOVOLTAIC



WIND ENERGY



POWER GENERATORS



GRID

## APPLICATIONS



UPS



CONSTRUCTION



DISASTER RELIEF



EVENTS

# ENERPACK SERIES

## THREE PHASE / 60 Hz

GENERAL TECHNICAL DATA	Units	EP 480 / 2000 T US N	EP 240 / 1000 T US N	EP 250 / 600 T US N	EP 250 / 520 T US N	EP 250 / 400 T US N
Three phase Voltage	VAC	480	480	480	480	480
Single phase Voltage	VAC	277	277	277	277	277
Frequency	Hz	60	60	60	60	60
Nominal Energy Storage	kWh	2016	1008	597	522	410
Continuous load at power factor = 0.8	kVA	480	240	250	250	250
Overload (300 seconds) <sup>1</sup>	kW	1400	700	350	350	350
Comunication technology		CAN bus	CAN bus	CAN bus	CAN bus	CAN bus
Sound Power Level	dB(A)	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft
Protection degree		IP44	IP44	IP44	IP44	IP44
Phases		3 PHASE	3 PHASE	3 PHASE	3 PHASE	3 PHASE
Operation Temperature	°F	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>

BATTERY						
Brand						
Quantity	units	108	54	32	28	22
Battery Voltage	VDC	388.8	388.8	388.8	388.8	388.8
Operating Voltage	VDC	777.6	777.6	777.6	777.6	777.6
Lithium cell chemistry		<b>LiNMC</b>	<b>LiNMC</b>	<b>LiNMC</b>	<b>LiNMC</b>	<b>LiNMC</b>
Discharge current		2.9 C	2.9 C	2.9 C	2.9 C	2.9 C
DOD % (depth of discharge @25°C ±3)		0.8	0.8	0.8	0.8	0.8
Cycle Life <sup>3</sup>		> 6000	> 6000	> 6000	> 6000	> 6000
Manufacturing Country		ITALY	ITALY	ITALY	ITALY	ITALY

INVERTER						
Brand						
Quantity	units	4	2	1	1	1
Continuous load at power factor = 0.8	kVA	120	120	250	250	250
Nominal Power	kW	96	96	200	200	200
Accepted peak load @ 400V (300 sec)	kW	350 (3.64 Pn)	350 (3.64 Pn)	350 (1.75 Pn)	350 (1.75 Pn)	350 (1.75 Pn)
Manufacturing Country		ITALY	ITALY	ITALY	ITALY	ITALY

CONTROL						
Energy Management system (EMS)		ComAp	ComAp	ComAp	ComAp	ComAp
Battery management system (BMS)		Hermes M3	Hermes M3	Hermes M3	Hermes M3	Hermes M3
Brand						
Manufacturing country		ITALY	ITALY	ITALY	ITALY	ITALY

DIMENSIONS AND WEIGHT						
Dimensions (L x W x H) <sup>4</sup>	ft	40' container	40' container	20' container	10' container	10' container
Weight <sup>4</sup>	lb	61597	38735	21186	15785	13734

OPTIONS						
Air Conditioning System		on request	on request	on request	on request	on request
Fire Extinguishing System		on request	on request	on request	on request	on request
Solar Battery Charger		on request	on request	on request	on request	on request
Air filtration panels		on request	on request	on request	on request	on request
EV Charger DC CCS1		on request	on request	on request	on request	on request
EV Charger AC Type1		on request	on request	on request	on request	on request

<sup>1</sup> Up to SOC of 50%

<sup>2</sup> For temperatures > 113 °F Air Conditioning System is available as option

<sup>3</sup> With reduced DOD

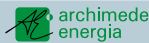
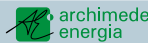
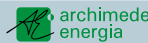
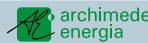
<sup>4</sup> Dimensions may vary depending on the options added





Technical data not binding





## ENERPACK SERIES

### THREE PHASE / 60 Hz

GENERAL TECHNICAL DATA	Units	EP 250 / 320 T US N	EP 180 / 400 T US N	EP 180 / 320 T US N	EP 120 / 320 T US N
Three phase Voltage	VAC	480	480	480	480
Single phase Voltage	VAC	277	277	277	277
Frequency	Hz	60	60	60	60
Nominal Energy Storage	kWh	<b>336</b>	<b>410</b>	<b>336</b>	<b>336</b>
Continuous load at power factor = 0.8	kVA	250	180	180	120
Overload (300 seconds) <sup>1</sup>	kW	350	350	350	350
Communication technology		CAN bus	CAN bus	CAN bus	CAN bus
Sound Power Level	dB(A)	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft
Protection degree		IP44	IP44	IP44	IP44
Phases		3 PHASE	3 PHASE	3 PHASE	3 PHASE
Operation Temperature	°F	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>

BATTERY					
Brand					
Quantity	units	18	22	18	18
Battery Voltage	VDC	388.8	388.8	388.8	388.8
Operating Voltage	VDC	777.6	777.6	777.6	777.6
Lithium cell chemistry		<b>LiNMC</b>	<b>LiNMC</b>	<b>LiNMC</b>	<b>LiNMC</b>
Discharge current		2.9 C	2.9 C	2.9 C	2.9 C
DOD % (depth of discharge @25°C ±3)		0.8	0.8	0.8	0.8
Cycle Life <sup>3</sup>		> 6000	> 6000	> 6000	> 6000
Manufacturing Country		ITALY	ITALY	ITALY	ITALY

INVERTER					
Brand					
Quantity	units	1	1	1	1
Continuous load at power factor = 0.8	kVA	250	180	180	120
Nominal Power	kW	200	144	144	96
Accepted peak load @ 400V (300 sec)	kW	350 (1.75 Pn)	350 (2.43 Pn)	350 (2.43 Pn)	350 (3.64 Pn)
Manufacturing Country		ITALY	ITALY	ITALY	ITALY

CONTROL					
Energy Management system (EMS)		ComAp	ComAp	ComAp	ComAp
Battery management system (BMS)		Hermes M3	Hermes M3	Hermes M3	Hermes M3
Brand					
Manufacturing country		ITALY	ITALY	ITALY	ITALY

DIMENSIONS AND WEIGHT					
Dimensions (L x W x H) <sup>4</sup>	ft	10' container	10' container	10' container	10' container
Weight <sup>4</sup>	lb	11375	13734	11375	11375

OPTIONS					
Air Conditioning System		on request	on request	on request	on request
Fire Extinguishing System		on request	on request	on request	on request
Solar Battery Charger		on request	on request	on request	on request
Air filtration panels		on request	on request	on request	on request
EV Charger DC CCS1		on request	on request	on request	on request
EV Charger AC Type1		on request	on request	on request	on request

<sup>1</sup> Up to SOC of 50%

<sup>2</sup> For temperatures > 113 °F Air Conditioning System is available as option

<sup>3</sup> With reduced DOD

<sup>4</sup> Dimensions may vary depending on the options added

Technical data not binding



# ENERPACK SERIES

## THREE PHASE / 60 Hz

GENERAL TECHNICAL DATA	Units	EP 250 / 600 T US L	EP 250 / 520 T US L	EP 250 / 400 T US L	EP 250 / 320 T US L	EP 180 / 320 T US L	EP 120 / 320 T US L
Three phase Voltage	VAC	480	480	480	480	480	480
Single phase Voltage	VAC	277	277	277	277	277	277
Frequency	Hz	60	60	60	60	60	60
Nominal Energy Storage	kWh	604	518	403	324	324	324
Continuous load at power factor = 0.8	kVA	250	250	250	250	180	120
Overload (300 seconds) <sup>1</sup>	kW	350	350	350	350	350	350
Communication technology		CAN bus	CAN bus	CAN bus	CAN bus	CAN bus	CAN bus
Sound Power Level	dB(A)	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft
Protection degree		IP44	IP44	IP44	IP44	IP44	IP44
Phases		3 PHASE	3 PHASE	3 PHASE	3 PHASE	3 PHASE	3 PHASE
Operation Temperature	°F	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>

BATTERY							
Brand							
Quantity	units	40	32	24	20	20	20
Battery Voltage	VDC	179.2	179.2	179.2	179.2	179.2	179.2
Operating Voltage	VDC	716.8	716.8	716.8	716.8	716.8	716.8
Lithium cell chemistry		LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Discharge current		1 C	1 C	1 C	1 C	1 C	1 C
DOD % (depth of discharge @25°C ±3)		0.8	0.8	0.8	0.8	0.8	0.8
Cycle Life <sup>3</sup>		> 6000	> 6000	> 6000	> 6000	> 6000	> 6000
Manufacturing Country		ITALY	ITALY	ITALY	ITALY	ITALY	ITALY

INVERTER							
Brand							
Quantity	units	1	1	1	1	1	1
Continuous load at power factor = 0.8	kVA	250	250	250	250	180	120
Nominal Power	kW	200	200	200	200	144	96
Accepted peak load @ 400V (300 sec)	kW	350 (1.75 Pn)	350 (1.75 Pn)	350 (1.75 Pn)	350 (1.75 Pn)	350 (2.43 Pn)	350 (3.64 Pn)
Manufacturing Country		ITALY	ITALY	ITALY	ITALY	ITALY	ITALY

CONTROL							
Energy Management system (EMS)		ComAp	ComAp	ComAp	ComAp	ComAp	ComAp
Battery management system (BMS)		Hermes M3	Hermes M3	Hermes M3	Hermes M3	Hermes M3	Hermes M3
Brand							
Manufacturing country		ITALY	ITALY	ITALY	ITALY	ITALY	ITALY

DIMENSIONS AND WEIGHT							
Dimensions (L x W x H) <sup>4</sup>	ft	20' container	10' container	10' container	10' container	10' container	10' container
Weight <sup>4</sup>	lb	25507	18421	15370	13845	13845	13845

OPTIONS							
Air Conditioning System		on request	on request	on request	on request	on request	on request
Fire Extinguishing System		on request	on request	on request	on request	on request	on request
Solar Battery Charger		on request	on request	on request	on request	on request	on request
Air filtration panels		on request	on request	on request	on request	on request	on request
EV Charger DC CCS1		on request	on request	on request	on request	on request	on request
EV Charger AC Type1		on request	on request	on request	on request	on request	on request

<sup>1</sup> Up to SOC of 50%

<sup>2</sup> For temperatures > 113 °F Air Conditioning System is available as option

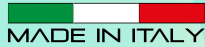
<sup>3</sup> With reduced DOD

<sup>4</sup> Dimensions may vary depending on the options added

Technical data not binding

# THE SMART ENERGY STORAGE SYSTEM

WITH LITHIUM BATTERY AND INTEGRATED INVERTER/CHARGER



STORAGE RANGE 60 ÷ 200 kWh - THREE PHASE / 60 Hz

# ENERPACK SERIES



ZERO EMISSION



## KEY FEATURES

- Up to more than 450% overload capacity for 300 seconds
- Parallel capability standard
- Digital control panel
- Distribution panel with camlocks and service outlets
- Canopy made of galvanized steel
- Recessed central lifting hook
- 4 Lifting eyes
- Forklift guides on every side
- Two levels stackable
- EV charger DC CCS1 and AC TYPE1 as option

## POWER SOURCES



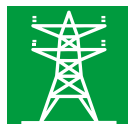
PHOTOVOLTAIC



WIND ENERGY



POWER GENERATORS



GRID

## APPLICATIONS



UPS



CONSTRUCTION



DISASTER RELIEF



EVENTS



# ENERPACK SERIES

## THREE PHASE / 60 Hz

GENERAL TECHNICAL DATA	Units	EP 180 / 200 T US N	EP 120 / 200 T US N	EP 120 / 100 T US N	EP 80 / 100 T US N	EP 40 / 120 T US N
Three phase Voltage	VAC	480	480	208	208	208
Single phase Voltage	VAC	277	277	120	120	120
Frequency	Hz	60	60	60	60	60
Nominal Energy Storage	kWh	224	224	112	112	112
Continuous load at power factor = 0.8	kVA	180	120	120	80	40
Overload (300 seconds) <sup>1</sup>	kW	350	350	326	150	150
Communication technology		CAN bus	CAN bus	CAN bus	CAN bus	CAN bus
Sound Power Level	dB(A)	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft
Protection degree		IP44	IP44	IP44	IP44	IP44
Phases		3 PHASE	3 PHASE	3 PHASE	3 PHASE	3 PHASE
Operation Temperature	°F	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>

### BATTERY

Brand		archimede energia	archimede energia	archimede energia	archimede energia	archimede energia
Quantity	units	12	12	6	6	6
Battery Voltage	VDC	388.8	388.8	388.8	388.8	388.8
Operating Voltage	VDC	777.6	777.6	777.6	777.6	777.6
Lithium cell chemistry		LiNMC	LiNMC	LiNMC	LiNMC	LiNMC
Discharge current		2.9 C	2.9 C	2.9 C	2.9 C	2.9 C
DOD % (depth of discharge @25°C ±3)		0.8	0.8	0.8	0.8	0.8
Cycle Life <sup>3</sup>		> 6000	> 6000	> 6000	> 6000	> 6000
Manufacturing Country		ITALY	ITALY	ITALY	ITALY	ITALY

### INVERTER

Brand		POWERTRONIX Uninterruptible Power Supply	POWERTRONIX Uninterruptible Power Supply	POWERTRONIX Uninterruptible Power Supply	POWERTRONIX Uninterruptible Power Supply	POWERTRONIX Uninterruptible Power Supply
Quantity	units	1	1	1	1	1
Continuous load at power factor = 0.8	kVA	180	120	120	80	40
Nominal Power	kW	144	96	96	64	32
Accepted peak load @ 400V (300 sec)	kW	350 (2.43 Pn)	350 (3.64 Pn)	350 (3.64 Pn)	150 (2.34Pn)	150 (4.68Pn)
Manufacturing Country		ITALY	ITALY	ITALY	ITALY	ITALY

### CONTROL

Energy Management system (EMS)		ComAp	ComAp	ComAp	ComAp	ComAp
Battery management system (BMS)		Hermes M3	Hermes M3	Hermes M3	Hermes M3	Hermes M3
Brand		archimede energia	archimede energia	archimede energia	archimede energia	archimede energia
Manufacturing country		ITALY	ITALY	ITALY	ITALY	ITALY

### DIMENSIONS AND WEIGHT

Dimensions (L x W x H) <sup>4</sup>	in	142.4x44.8x86.3	142.4x44.8x86.3	142.4x44.8x86.3	110.8x44.8x75.6	110.8x44.8x75.6
Weight <sup>4</sup>	lb	9700	9700	8487	7716	7716

### OPTIONS

Air Conditioning System		on request	on request	on request	on request	on request
Fire Extinguishing System		-	-	-	-	-
Solar Battery Charger		on request	on request	on request	on request	on request
Air filtration panels		on request	on request	on request	on request	on request
EV Charger DC CCS1		on request	on request	on request	on request	on request
EV Charger AC Type1		on request	on request	on request	on request	on request

<sup>1</sup> Up to SOC of 50%

<sup>2</sup> For temperatures > 113 °F Air Conditioning System is available as option

<sup>3</sup> With reduced DOD

<sup>4</sup> Dimensions may vary depending on the options added

Technical data not binding



# ZERO EMISSION

## ENERPACK SERIES THREE PHASE / 60 Hz

GENERAL TECHNICAL DATA	Units	EP 40 / 100 T US N	EP 40 / 60 T US N
Three phase Voltage	VAC	208	208
Single phase Voltage	VAC	120	120
Frequency	Hz	60	60
Nominal Energy Storage	kWh	112	74
Continuous load at power factor = 0.8	kVA	40	40
Overload (300 seconds) <sup>1</sup>	kW	150	150
Communication technology		CAN bus	CAN bus
Sound Power Level	dB(A)	< 55 dB(A)@23ft	< 55 dB(A)@23ft
Protection degree		IP44	IP44
Phases		3 PHASE	3 PHASE
Operation Temperature	°F	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>

BATTERY			
Brand		archimede energia	archimede energia
Quantity	units	6	4
Battery Voltage	VDC	388.8	388.8
Operating Voltage	VDC	777.6	777.6
Lithium cell chemistry		<b>LiNMC</b>	<b>LiNMC</b>
Discharge current		2.9 C	2.9 C
DOD % (depth of discharge @25°C ±3)		0.8	0.8
Cycle Life <sup>3</sup>		> 6000	> 6000
Manufacturing Country		ITALY	ITALY

INVERTER			
Brand		POWERTRONIX Uninterruptible Power Supply	POWERTRONIX Uninterruptible Power Supply
Quantity	units	1	1
Continuous load at power factor = 0.8	kVA	40	40
Nominal Power	kW	32	32
Accepted peak load @ 400V (300 sec)	kW	150 (4.68Pn)	150 (4.68Pn)
Manufacturing Country		ITALY	ITALY

CONTROL			
Energy Management system (EMS)		ComAp	ComAp
Battery management system (BMS)		Hermes M3	Hermes M3
Brand		archimede energia	archimede energia
Manufacturing country		ITALY	ITALY

DIMENSIONS AND WEIGHT			
Dimensions (L x W x H) <sup>4</sup>	in	110.8x44.8x75.6	110.8x44.8x75.6
Weight <sup>4</sup>	lb	7716	7716

OPTIONS			
Air Conditioning System		on request	on request
Fire Extinguishing System		-	-
Solar Battery Charger		on request	on request
Air filtration panels		on request	on request
EV Charger DC CCS1		on request	on request
EV Charger AC Type1		on request	on request

<sup>1</sup> Up to SOC of 50%

<sup>2</sup> For temperatures > 113 °F Air Conditioning System is available as option

<sup>3</sup> With reduced DOD

<sup>4</sup> Dimensions may vary depending on the options added

Technical data not binding

# ENERPACK SERIES

## THREE PHASE / 60 Hz

GENERAL TECHNICAL DATA	Units	EP 180 / 200 T US L	EP 120 / 200 T US L	EP 120 / 100 T US L	EP 80 / 100 T US L	EP 40 / 120 T US L	EP 40 / 100 T US L	EP 40 / 60 T US L
Three phase Voltage	VAC	480	480	208	208	208	208	208
Single phase Voltage	VAC	277	277	120	120	120	120	120
Frequency	Hz	60	60	60	60	60	60	60
Nominal Energy Storage	kWh	194	194	129	129	129	129	64
Continuous load at power factor = 0.8	kVA	180	120	120	80	40	40	40
Overload (300 seconds) <sup>1</sup>	kW	350	350	128	120	120	120	64
Communication technology		CAN bus	CAN bus	CAN bus	CAN bus	CAN bus	CAN bus	CAN bus
Sound Power Level	dB(A)	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft	< 55 dB(A)@23ft
Protection degree		IP44	IP44	IP44	IP44	IP44	IP44	IP44
Phases		3 PHASE	3 PHASE	3 PHASE	3 PHASE	3 PHASE	3 PHASE	3 PHASE
Operation Temperature	°F	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>

BATTERY								
Brand								
Quantity	units	12	12	8	8	8	8	4
Battery Voltage	VDC	179.2	179.2	179.2	179.2	179.2	179.2	179.2
Operating Voltage	VDC	716.8	716.8	716.8	716.8	716.8	716.8	716.8
Lithium cell chemistry		LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Discharge current		1 C	1 C	1 C	1 C	1 C	1 C	1 C
DOD % (depth of discharge @25°C ±3)		0.8	0.8	0.8	0.8	0.8	0.8	0.8
Cycle Life <sup>3</sup>		> 6000	> 6000	> 6000	> 6000	> 6000	> 6000	> 6000
Manufacturing Country		ITALY	ITALY	ITALY	ITALY	ITALY	ITALY	ITALY

INVERTER								
Brand								
Quantity	units	1	1	1	1	1	1	1
Continuous load at power factor = 0.8	kVA	180	120	120	80	40	40	40
Nominal Power	kW	144	96	96	64	32	32	32
Accepted peak load @ 400V (300 sec)	kW	350 (2.43Pn)	350 (3.64Pn)	150 (1.56Pn)	150 (2.34Pn)	150 (4.68Pn)	150 (4.68Pn)	150 (4.68Pn)
Manufacturing Country		ITALY	ITALY	ITALY	ITALY	ITALY	ITALY	ITALY

CONTROL								
Energy Management system (EMS)		ComAp	ComAp	ComAp	ComAp	ComAp	ComAp	ComAp
Battery management system (BMS)		Hermes M3	Hermes M3	Hermes M3	Hermes M3	Hermes M4	Hermes M3	Hermes M3
Brand								
Manufacturing country		ITALY	ITALY	ITALY	ITALY	ITALY	ITALY	ITALY

DIMENSIONS AND WEIGHT								
Dimensions (L x W x H) <sup>4</sup>	in	142.4x44.8x86.3	142.4x44.8x86.3	142.4x44.8x86.3	110.8x44.8x75.6	110.8x44.8x75.6	110.8x44.8x75.6	110.8x44.8x75.6
Weight <sup>4</sup>	lb	10176	10176	9488	9488	9488	9488	8205

OPTIONS								
Air Conditioning System		on request	on request	on request	on request	on request	on request	on request
Fire Extinguishing System		-	-	-	-	-	-	-
Solar Battery Charger		on request	on request	on request	on request	on request	on request	on request
Air filtration panels		on request	on request	on request	on request	on request	on request	on request
EV Charger DC CCS1		on request	on request	on request	on request	on request	on request	on request
EV Charger AC Type1		on request	on request	on request	on request	on request	on request	on request

<sup>1</sup> Up to SOC of 50%

<sup>2</sup> For temperatures > 113 °F Air Conditioning System is available as option

<sup>3</sup> With reduced DOD

<sup>4</sup> Dimensions may vary depending on the options added

Technical data not binding



# THE SMART ENERGY STORAGE SYSTEM

## WITH LITHIUM BATTERY AND INTEGRATED INVERTER/CHARGER

MADE IN ITALY

STORAGE RANGE 50 ÷ 75 kWh - THREE PHASE / 60 Hz

ENERPACK SERIES



ZERO EMISSION 



### KEY FEATURES

- Digital control panel
- Distribution panel
- Canopy made of galvanized steel
- Recessed central lifting hook
- 4 lifting eyes
- Forklift guides
- EV charger DC CCS1 and AC TYPE1 as option

### POWER SOURCES



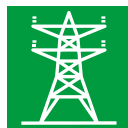
PHOTOVOLTAIC



WIND ENERGY



POWER GENERATORS



GRID

### APPLICATIONS



UPS



CONSTRUCTION



DISASTER RELIEF



EVENTS

## ENERPACK SERIES

### THREE PHASE / 60 Hz

GENERAL TECHNICAL DATA	Units	EP 30 / 75T US N	EP 30 / 50T US N
Three phase Voltage	VAC	208	208
Single phase Voltage	VAC	120	120
Frequency	Hz	60	60
Nominal Energy Storage	kWh	73	55
Continuous load Inverter	kVA	30	30
Overload (300 seconds)	kW	-	-
Communication technology		CAN bus	CAN bus
Sound Power Level	dB(A)	Zero Noise	Zero Noise
Protection degree		IP44	IP44
Phases		3 PHASE	3 PHASE
Operation Temperature	°F	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>

BATTERY			
Brand			
Quantity	units	4	3
Battery Voltage	VDC	48	48
Operating Voltage	VDC	48	48
Manufacturing country		ITALY	ITALY
Lithium cell chemistry		LiNMC	LiNMC
Discharge current		2.9C	2.9C
DOD % (depth of discharge @25°C ±3)		0.8	0.8
Cycle Life <sup>3</sup>		> 6000	> 6000

INVERTER			
Brand		Victron	Victron
Quantity	units	3	3
Continuous load at power factor = 0.8	KVA	10	10

CONTROL			
Energy Management system (EMS)		Digital	Digital
Battery management system (BMS)		Hermes M3	Hermes M3
Brand			
Manufacturing country		ITALY	ITALY

DIMENSIONS AND WEIGHT			
Dimensions (L x W x H) <sup>4</sup>	in	92.3x44.8x71.7	92.3x44.8x71.7
Weight <sup>4</sup>	lb	4760	4205

OPTIONS			
Air Conditioning System		on request	on request
Fire Extinguishing System		-	-
Solar Battery Charger		on request	on request
Air filtration panels		on request	on request
EV Charger DC CCS1		on request	on request
EV Charger AC Type1		on request	on request

<sup>2</sup> For temperatures > 113 °F Air Conditioning System is available as option  
<sup>3</sup> With reduced DOD  
<sup>4</sup> Dimensions may vary depending on the options added

## ENERPACK SERIES

### THREE PHASE / 60 Hz

GENERAL TECHNICAL DATA	Units	EP 30 / 75T US L	EP 30 / 50T US L
Three phase Voltage	VAC	208	208
Single phase Voltage	VAC	120	120
Frequency	Hz	60	60
Nominal Energy Storage	kWh	80	53
Continuous load Inverter	kVA	30	30
Overload (300 seconds)	kW	-	-
Communication technology		CAN bus	CAN bus
Sound Power Level	dB(A)	Zero Noise	Zero Noise
Protection degree		IP44	IP44
Phases		3 PHASE	3 PHASE
Operation Temperature	°F	-4 °F to +113 °F <sup>2</sup>	-4 °F to +113 °F <sup>2</sup>

BATTERY			
Brand			
Quantity	units	3	2
Battery Voltage	VDC	48	48
Operating Voltage	VDC	48	48
Manufacturing country		ITALY	ITALY
Lithium cell chemistry		LiFePO4	LiFePO4
Discharge current		1C	1C
DOD % (depth of discharge @25°C ±3)		0.8	0.8
Cycle Life <sup>3</sup>		> 6000	> 6000

INVERTER			
Brand		Victron	Victron
Quantity	units	3	3
Continuous load at power factor = 0.8	KVA	10	10

CONTROL			
Energy Management system (EMS)		Digital	Digital
Battery management system (BMS)		Hermes M3	Hermes M3
Brand			
Manufacturing country		ITALY	ITALY

DIMENSIONS AND WEIGHT			
Dimensions (L x W x H) <sup>4</sup>	in	92.3x44.8x71.7	92.3x44.8x71.7
Weight <sup>4</sup>	lb	4790	4260

OPTIONS			
Air Conditioning System		on request	on request
Fire Extinguishing System		-	-
Solar Battery Charger		on request	on request
Air filtration panels		on request	on request
EV Charger DC CCS1		on request	on request
EV Charger AC Type1		on request	on request

Technical data not binding







**TecnoGen** **USA**  
POWER GENERATORS



100 Paper Place  
New Castle, DE 19720  
(855) 303-7900  
Fax (302) 231-1162  
sales@ftgequipment.com  
[www.tecnozenusa.com](http://www.tecnozenusa.com)