

THE POWER OF SILENCE ENERGYSTORAGE SYSTEMS FOR GREEN SOLUTIONS

MADE IN ITALY

www.tecnogenusa.com



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 program.

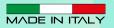
The added value of **ENERPACK** is the high level of integration and efficiency of the different components through the software made also inside BGG group. Batteries, solar chargers, inverters are integrated and share their protocol of communication.

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



NERPACK

SERIES

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





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
- Forklift guides
- EV charger DC CCS1 and AC TYPE1 as option

POWER SOURCES



















RELIEF



PHOTOVOLTAIC WIND ENERGY **POWER**



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	
Continuos load at power factor = 0.8	kVA	480	240	250	250	250	
Overload (300 seconds) ¹	kW	1400	700	350	350	350	
Comunication technology		CAN bus					
Sound Power Level	dB(A)	< 55 dB(A)@23ft					
Protection degree		IP44	IP44	IP44	IP44	IP44	
Phases		3 PHASE					
Operation Temperature	°F	-4 °F to +113 °F ²					
BATTERY							
Brand		archimede energia	archimede energia	archimede energia	archimede energia	archimede energia	
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		LiNMC	LiNMC	LiNMC	LiNMC	LiNMC	
Discharge current		2.9 C					
DOD % (depth of discharge @25°C ±3)		0.8	0.8	0.8	0.8	0.8	
Cycle Life ³		> 6000	> 6000	> 6000	> 6000	> 6000	
Manufacturing Country		ITALY	ITALY	ITALY	ITALY	ITALY	
INVERTER							
Brand		POWERTRONIX Uninterruptible Power Supply					
Quantity	units	4	2	1	1	1	
Continuos 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	KVV	ITALY	ITALY	ITALY	ITALY	ITALY	
manufacturing obtainty		IIALI	IIALI	IIALI	IIALI	IIALI	
CONTROL							
Energy Management system (EMS)		ComAp	ComAp	ComAp	ComAp	ComAp	
Battery management system (BMS)		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) ⁴	ft	40' container	40' container	20' container	10' container	10' container	
Weight ⁴	lb	61597	38735	21186	15785	13734	
OPTIONS							
Air Conditioning System		on request					
Fire Extinguishing System		on request					
Solar Battery Charger		on request					
Air filtration panels		on request					
EV Charger DC CCS1		on request					
EV Charger AC Type1		on request					
LT Unarger AU Type I		on request					

¹ Up to SOC of 50%



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

³ With reduced DOD

⁴ Dimensions may vary depending on the options added



L	1
7	
L	1
<	
y	2
U	?
Z	

ENERPACK SERIES

THREE PHASE / 60 Hz EP 250 / 320 T US N | EP 180 / 400 T US N | EP 180 / 320 T US N | EP 120 / 320 T US N **GENERAL TECHNICAL DATA** Units Three phase Voltage VAC 480 480 480 480 Single phase Voltage VAC 277 277 277 277 Hz 60 60 60 60 Frequency kWh 336 410 336 336 **Nominal Energy Storage** Continuos load at power factor = 0.8 kVA 250 180 180 120 kW 350 350 350 350 Overload (300 seconds)1 CAN bus CAN bus CAN bus Comunication technology CAN bus **Sound Power Level** dB(A) < 55 dB(A)@23ft < 55 dB(A)@23ft < 55 dB(A)@23ft < 55 dB(A)@23ft IP44 Protection degree IP44 IP44 IP44 Phases 3 PHASE 3 PHASE 3 PHASE 3 PHASE **Operation Temperature** °F -4 °F to +113 °F2 -4 °F to +113 °F 2 -4 °F to +113 °F2 -4 °F to +113 °F2

BATTERY					
Brand		archimede energia	archimede energia	archimede energia	archimede energia
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		LiNMC	LiNMC	LiNMC	LiNMC
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 ³		> 6000	> 6000	> 6000	> 6000
Manufacturing Country		ITALY	ITALY	ITALY	ITALY

INVERTER					
Brand		POWERTRONIX Uninterruptible Power Supply			
Quantity	units	1	1	1	1
Continuos 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		archimede energia	archimede energia	archimede energia	archimede energia
Manufacturing country		ITALY	ITALY	ITALY	ITALY
DIMENSIONS AND WEIGHT					
Dimensions (L x W x H) ⁴	ft	10' container	10' container	10' container	10' container
147-1-1-1-1	11.	44075	40704	44075	44075

Weight ⁴	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

¹ Up to SOC of 50%



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

³ With reduced DOD

⁴ Dimensions may vary depending on the options added



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
Continuos load at power factor = 0.8	kVA	250	250	250	250	180	120
Overload (300 seconds) ¹	kW	350	350	350	350	350	350
Comunication 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 ²	-4 °F to +113 °F2	-4 °F to +113 °F ²	-4 °F to +113 °F ²	-4 °F to +113 °F ²	-4 °F to +113 °F ²
BATTERY							
Brand		archimede energia	archimede energia	archimede energia	archimede energia	archimede energia	archimede energia
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	VDC	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 ³		> 6000	> 6000	> 6000	> 6000	> 6000	> 6000
Manufacturing Country		ITALY	ITALY	ITALY	ITALY	ITALY	ITALY
INVERTER							
INVERTER							
INVERTER Brand		POWERTRONIX Uninterruptible Power Supply	POWERTRONIX Uninterruptible Power Supply	FOWERTRONIX Uninterruptible Power Supply	POWERTRONIX Uninterruptible Power Supply	FOWERTRONIX Uninterruptible Power Supply	POWERTRONIX Uninterruptible Power Supp
Brand	units						
Brand Quantity	units	Uninterruptible Power Supply	Uninterruptible Power Supply	Uninterruptible Power Supply	Uninterruptible Power Supply	Uninterruptible Power Supply	Uninterruptible Power Supp
Brand Quantity Continuos load at power factor = 0.8	kVA	Uninterruptible Power Supply 1 250	Uninterruptible Power Supply 1 250	Uninterruptible Power Supply 1 250	Uninterruptible Power Supply 1 250	Uninterruptible Power Supply 1 180	Uninterruptible Power Supp 1 120
Brand Quantity Continuos load at power factor = 0.8 Nominal Power	kVA kW	Uninterruptible Power Supply 1 250 200	Uninterruptible Power Supply 1 250 200	Uninterruptible Power Supply 1 250 200	Uninterruptible Power Supply 1 250 200	Uninterruptible Power Supply 1 180 144	Uninterruptible Power Supp 1 120 96
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec)	kVA	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn)	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn)	1 250 200 350 (1.75 Pn)	1 250 200 350 (1.75 Pn)	1 180 144 350 (2.43 Pn)	1 120 96 350 (3.64 Pn)
Brand Quantity Continuos load at power factor = 0.8 Nominal Power	kVA kW	Uninterruptible Power Supply 1 250 200	Uninterruptible Power Supply 1 250 200	Uninterruptible Power Supply 1 250 200	Uninterruptible Power Supply 1 250 200	Uninterruptible Power Supply 1 180 144	Uninterruptible Power Supp 1 120 96
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec)	kVA kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn)	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn)	1 250 200 350 (1.75 Pn)	1 250 200 350 (1.75 Pn)	1 180 144 350 (2.43 Pn)	1 120 96 350 (3.64 Pn)
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country	kVA kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn)	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn)	1 250 200 350 (1.75 Pn)	1 250 200 350 (1.75 Pn)	1 180 144 350 (2.43 Pn)	1 120 96 350 (3.64 Pn)
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL	kVA kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY	1 250 200 350 (1.75 Pn) ITALY	1 250 200 350 (1.75 Pn) ITALY	1 180 144 350 (2.43 Pn)	1 120 96 350 (3.64 Pn) ITALY
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS)	kVA kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp	1 250 200 350 (1.75 Pn) ITALY	1 250 200 350 (1.75 Pn) ITALY	1 180 144 350 (2.43 Pn) ITALY	1 120 96 350 (3.64 Pn) ITALY
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS)	kVA kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3	1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3	1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3	1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand	kVA kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia	1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia	1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia	1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3 archimede energia	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 archimede energia
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country	kVA kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia	1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia	1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia	1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3 archimede energia	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 archimede energia
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT	kVA kW kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴	kVA kW kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 20' container	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴ Weight ⁴ OPTIONS	kVA kW kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 20' container 25507	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 18421	Tonterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 15370	ComAp Hermes M3 archimede energia ITALY 10' container 13845	Uninterruptible Power Supply 1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 13845	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 13845
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴ Weight ⁴ OPTIONS Air Conditioning System	kVA kW kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 Parchimede energia ITALY 20' container 25507	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 Parchimede energia ITALY 10' container 18421 on request	1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 15370 on request	1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 13845 on request	Uninterruptible Power Supply 1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3 Parchimede energia ITALY 10' container 13845 on request	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 Archimede energia ITALY 10' container 13845 on request
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴ Weight ⁴ OPTIONS Air Conditioning System Fire Extinguishing System	kVA kW kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 20' container 25507 on request on request	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 18421 on request on request	Tomaterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 15370 on request on request	Tonterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 13845 on request on request	ComAp Hermes M3 TALY 10' container 13845 on request on request	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 Archimede energia ITALY 10' container 13845 on request on request
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴ Weight ⁴ OPTIONS Air Conditioning System Fire Extinguishing System Solar Battery Charger	kVA kW kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 Parchimede energia ITALY 20' container 25507 on request on request on request	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 Parchimede energia ITALY 10' container 18421 on request on request on request	Tomaterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 15370 on request on request on request	Tonterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 13845 on request on request on request	ComAp Hermes M3 TALY 10' container 13845 on request on request on request	Townsterruptible Power Supplement of the International Power Supplement of the International Italy ComAp Hermes M3 Archimede energia ITALY 10' container 13845 on request on request on request
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴ Weight ⁴ OPTIONS Air Conditioning System Fire Extinguishing System Solar Battery Charger Air filtration panels	kVA kW kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 20' container 25507 on request on request on request on request	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 18421 on request on request on request on request	1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 15370 on request on request on request on request	1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 13845 on request on request on request	1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 13845 on request on request on request	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 13845 on request on request on request on request
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴ Weight ⁴ OPTIONS Air Conditioning System Fire Extinguishing System Solar Battery Charger	kVA kW kW	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 Parchimede energia ITALY 20' container 25507 on request on request on request	Uninterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 Parchimede energia ITALY 10' container 18421 on request on request on request	Tomaterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 15370 on request on request on request	Tonterruptible Power Supply 1 250 200 350 (1.75 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 10' container 13845 on request on request on request	ComAp Hermes M3 TALY 10' container 13845 on request on request on request	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 Archimede energia ITALY 10' container 13845 on request on request on request

¹ Up to SOC of 50%

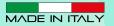
² For temperatures > 113 °F Air Conditioning System is available as option

³ With reduced DOD

⁴ Dimensions may vary depending on the options added

THE SMART ENERGY STORAGE SYSTEM

WITH LITHIUM BATTERY AND INTEGRATED INVERTER/CHARGER



NERPACK

SERIES

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





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









APPLICATIONS









UPS

CONSTRUCTION

EVENTS



		ENIED	DACVC	EDIEC				
			PACK SI					
		THR	EE 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		
Continuos load at power factor = 0.8	kVA	180	120	120	80	40		
Overload (300 seconds) ¹	kW	350	350	326	150	150		
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 ²	-4 °F to +113 °F ²	-4 °F to +113 °F ²	-4 °F to +113 °F ²	-4 °F to +113 °F ²		
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 ³		> 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		
	units							
Brand	units kVA	Uninterruptible Power Supply	Uninterruptible Power Supply	Uninterruptible Power Supply	Uninterruptible Power Supply	Uninterruptible Power Supply		
Brand Quantity Continuos load at power factor = 0.8	kVA	Uninterruptible Power Supply	Uninterruptible Power Supply	Uninterruptible Power Supply	Uninterruptible Power Supply	Uninterruptible Power Supply		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power	kVA kW	Uninterruptible Power Supply 1 180 144	Uninterruptible Power Supply 1 120 96	1 120 96	Uninterruptible Power Supply 1 80 64	Uninterruptible Power Supply 1 40 32		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec)	kVA	1 180 144 350 (2.43 Pn)	1 120 96 350 (3.64 Pn)	1 120 96 350 (3,64 Pn)	1 80 64 150 (2.34Pn)	1 40 32 150 (4.68Pn)		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country	kVA kW	Uninterruptible Power Supply 1 180 144	Uninterruptible Power Supply 1 120 96	1 120 96	Uninterruptible Power Supply 1 80 64	Uninterruptible Power Supply 1 40 32		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL	kVA kW	1 180 144 350 (2.43 Pn) ITALY	1 120 96 350 (3.64 Pn) ITALY	1 120 96 350 (3,64 Pn) ITALY	1 80 64 150 (2.34Pn) ITALY	1 40 32 150 (4.68Pn) ITALY		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS)	kVA kW	1 180 144 350 (2.43 Pn) ITALY	1 120 96 350 (3.64 Pn) ITALY	1 120 96 350 (3,64 Pn) ITALY ComAp	1 80 64 150 (2.34Pn) ITALY	1 40 32 150 (4.68Pn) ITALY		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL	kVA kW	1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3	1 120 96 350 (3,64 Pn) ITALY ComAp Hermes M3	1 80 64 150 (2.34Pn) ITALY ComAp Hermes M3	1 40 32 150 (4.68Pn) ITALY ComAp Hermes M3		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS)	kVA kW	1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3	1 120 96 350 (3,64 Pn) ITALY ComAp Hermes M3	1 80 64 150 (2.34Pn) ITALY ComAp Hermes M3	1 40 32 150 (4.68Pn) ITALY ComAp Hermes M3		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country	kVA kW	1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3 archimede energia	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 archimede energia	1 120 96 350 (3,64 Pn) ITALY ComAp Hermes M3 archimede energia	1 80 64 150 (2.34Pn) ITALY ComAp Hermes M3 archimede energia	1 40 32 150 (4.68Pn) ITALY ComAp Hermes M3 archimede energia		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT	kVA kW kW	Table Power Supply 1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 120 96 350 (3,64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 80 64 150 (2.34Pn) ITALY ComAp Hermes M3 archimede energia ITALY	Uninterruptible Power Supply 1 40 32 150 (4.68Pn) ITALY ComAp Hermes M3 archimede energia ITALY		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴	kVA kW kW	Tally ComAp Hermes M3 TALY ComAp Hermes M3 TALY 142.4x44.8x86.3	Tonterruptible Power Supply 1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 142.4x44.8x86.3	1 120 96 350 (3,64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 80 64 150 (2.34Pn) ITALY ComAp Hermes M3 archimede energia ITALY	TomAp Hermes M3 TALY ComAp Hermes M3 TALY 110.8x44.8x75.6		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴ Weight ⁴	kVA kW kW	Table Power Supply 1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 120 96 350 (3,64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY	1 80 64 150 (2.34Pn) ITALY ComAp Hermes M3 archimede energia ITALY	Uninterruptible Power Supply 1 40 32 150 (4.68Pn) ITALY ComAp Hermes M3 archimede energia ITALY		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴ Weight ⁴ OPTIONS	kVA kW kW	Tally ComAp Hermes M3 ITALY ComAp Hermes M3 ITALY 142.4x44.8x86.3 9700	Tonterruptible Power Supply 1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 142.4x44.8x86.3 9700	1 120 96 350 (3,64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 142.4x44.8x86.3 8487	1 80 64 150 (2.34Pn) ITALY ComAp Hermes M3 archimede energia ITALY 110.8x44.8x75.6 7716	Uninterruptuble Power Supply 1 40 32 150 (4.68Pn) ITALY ComAp Hermes M3 archimede energia ITALY 110.8x44.8x75.6 7716		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴ Weight ⁴ OPTIONS Air Conditioning System	kVA kW kW	Tally ComAp Hermes M3 TALY ComAp Hermes M3 TALY 142.4x44.8x86.3	Tonterruptible Power Supply 1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 142.4x44.8x86.3 9700 on request	1 120 96 350 (3,64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 142.4x44.8x86.3 8487 on request	1 80 64 150 (2.34Pn) ITALY ComAp Hermes M3 archimede energia ITALY 110.8x44.8x75.6 7716 on request	Uninterruptuble Power Supply 1 40 32 150 (4.68Pn) ITALY ComAp Hermes M3 archimede energia ITALY 110.8x44.8x75.6		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴ Weight ⁴ OPTIONS Air Conditioning System Fire Extinguishing System	kVA kW kW	Table Power Supply 1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3 Parchimede energia ITALY 142.4x44.8x86.3 9700 on request	Tonterruptible Power Supply 1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 Archimede energia ITALY 142.4x44.8x86.3 9700 on request -	Tonterruptule Power Supply 1 120 96 350 (3,64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 142.4x44.8x86.3 8487 on request -	1 80 64 150 (2.34Pn) ITALY ComAp Hermes M3 archimede energia ITALY 110.8x44.8x75.6 7716 on request	To (4.68Pn) ITALY ComAp Hermes M3 Archimede energia ITALY 110.8x44.8x75.6 7716 on request		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴ Weight ⁴ OPTIONS Air Conditioning System Fire Extinguishing System Solar Battery Charger	kVA kW kW	Table Power Supply 1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3 Parchimede energia ITALY 142.4x44.8x86.3 9700 on request - on request	Toniterruptible Power Supply 1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 Archimede energia ITALY 142.4x44.8x86.3 9700 on request - on request	Table 1 142.4x44.8x86.3 8487 Uninterruptule Power Supply 1 120 96 350 (3,64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 142.4x44.8x86.3 8487 on request - on request	TomAp Hermes M3 archimede energia ITALY 110.8x44.8x75.6 7716 on request on request	Ton request on request on request on request		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴ Weight ⁴ OPTIONS Air Conditioning System Fire Extinguishing System Solar Battery Charger Air filtration panels	kVA kW kW	Table Power Supply 1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3 Parchimede energia ITALY 142.4x44.8x86.3 9700 on request on request on request	1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 Archimede energia ITALY 142.4x44.8x86.3 9700 on request on request on request	1 120 96 350 (3,64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 142.4x44.8x86.3 8487 on request on request on request	1 80 64 150 (2.34Pn) ITALY ComAp Hermes M3 archimede energia ITALY 110.8x44.8x75.6 7716 on request on request on request	To uninterruptible Power Supply 1 40 32 150 (4.68Pn) ITALY ComAp Hermes M3 Archimede energia ITALY 110.8x44.8x75.6 7716 on request on request on request		
Brand Quantity Continuos load at power factor = 0.8 Nominal Power Accepted peak load @ 400V (300 sec) Manufacturing Country CONTROL Energy Management system (EMS) Battery management system (BMS) Brand Manufacturing country DIMENSIONS AND WEIGHT Dimensions (L x W x H) ⁴ Weight ⁴ OPTIONS Air Conditioning System Fire Extinguishing System Solar Battery Charger	kVA kW kW	Table Power Supply 1 180 144 350 (2.43 Pn) ITALY ComAp Hermes M3 Parchimede energia ITALY 142.4x44.8x86.3 9700 on request - on request	Toniterruptible Power Supply 1 120 96 350 (3.64 Pn) ITALY ComAp Hermes M3 Archimede energia ITALY 142.4x44.8x86.3 9700 on request - on request	Table 1 142.4x44.8x86.3 8487 Uninterruptule Power Supply 1 120 96 350 (3,64 Pn) ITALY ComAp Hermes M3 archimede energia ITALY 142.4x44.8x86.3 8487 on request - on request	TomAp Hermes M3 archimede energia ITALY 110.8x44.8x75.6 7716 on request on request	Ton request on request on request on request		



 $^{^1}$ Up to SOC of 50% 2 For temperatures > 113 °F Air Conditioning System is available as option

³ With reduced DOD

⁴ Dimensions may vary depending on the options added

www.tecnogenusa.com

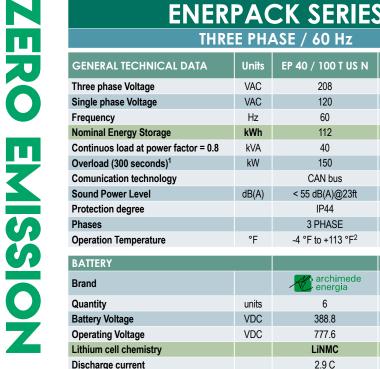












IHREE PHASE / 60 HZ						
GENERAL TECHNICAL DATA	Units	EP 40 / 100 T US N	EP 40 / 60 T US N			
Three phase Voltage	VAC	208	208			
Single phase Voltage	VAC	120	120			
Frequency	Hz	60	60			
Nominal Energy Storage	kWh	112	74			
Continuos load at power factor = 0.8	kVA	40	40			
Overload (300 seconds) ¹	kW	150	150			
Comunication 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 ²	-4 °F to +113 °F ²			

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		LiNMC	LiNMC
Discharge current		2.9 C	2.9 C
DOD % (depth of discharge @25°C ±3)		0.8	0.8
Cycle Life ³		> 6000	> 6000
Manufacturing Country		ITALY	ITALY

INVERTER			
Brand		POWERTRONIX Uninterruptible Power Supply	POWERTRONIX Uninterruptible Power Supply
Quantity	units	1	1
Continuos 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) ⁴	in	110.8x44.8x75.6	110.8x44.8x75.6
Weight ⁴	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

³ With reduced DOD



⁴ Dimensions may vary depending on the options added



ENERPACK SERIES THREE PHASE / 60 Hz EP 40 / 60 T US L EP 80 / 100 T EP 40 / 120 T EP 40 / 100 T EP 180 / 200 T EP 120 / 200 T EP 120 / 100 T GENERAL TECHNICAL DATA Units Three phase Voltage VAC 480 208 208 208 208 208 480 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 kVA 180 120 120 80 40 40 40 Continuos load at power factor = 0.8 350 350 120 120 120 64 Overload (300 seconds)1 kW 128 CAN bus CAN bus CAN bus CAN bus Comunication technology CAN bus CAN bus CAN bus dB(A) < 55 dB(A)@23ft Sound Power Level < 55 dB(A)@23ft < 55 dB(A)@23ft Protection degree IP44 IP44 IP44 IP44 IP44 IP44 IP44 Phases 3 PHASE °F -4 °F to +113 °F² -4 °F to +113 °F2 **Operation Temperature BATTERY** archimede energia archimede energia archimede energia archimede energia archimede archimede archimede **Brand** energia 12 12 8 8 8 8 4 Quantity units **Battery Voltage VDC** 179.2 179.2 179.2 179.2 179.2 179.2 179.2 **VDC** 716.8 716.8 716.8 716.8 716.8 716.8 716.8 **Operating Voltage** LiFePO4 LiFePO4 LiFePO4 Lithium cell chemistry 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) 8.0 0.8 0.8 8.0 8.0 8.0 8.0 Cycle Life³ > 6000 > 6000 > 6000 > 6000 > 6000 > 6000 > 6000 **Manufacturing Country** ITALY **ITALY** ITALY ITALY **ITALY ITALY ITALY** INVERTER POWERTRONIX Uninterruptible Power Supply POWERTRO POWERTRONI POWERTRO POWERTRONI POWERTRO POWERTRONI **Brand** Quantity units kVA 180 120 120 80 40 40 40 Continuos load at power factor = 0.8 **Nominal Power** kW 144 96 96 64 32 32 32 Accepted peak load @ 400V (300 sec) 350 (2.43Pn) 350 (3.64Pn) 150 (1,56Pn) 150 (2.34Pn) 150 (4.68Pn) 150 (4.68Pn) 150 (4.68Pn) kW ITALY **Manufacturing Country ITALY ITALY** ITALY ITALY **ITALY ITALY** CONTROL Energy Management system (EMS) ComAp ComAp ComAp ComAp ComAp ComAp ComAp Hermes M3 Hermes M3 Battery management system (BMS) Hermes M3 Hermes M3 Hermes M4 Hermes M3 Hermes M3 archimede archimede archimede archimede archimede archimede archimede 🐧 **Brand** energia energia energia energia energia energia energia Manufacturing country **ITALY ITALY ITALY ITALY ITALY ITALY ITALY** DIMENSIONS AND WEIGHT Dimensions (L x W x H)4 142.4x44.8x86.3 142.4x44.8x86.3 142.4x44.8x86.3 110.8x44.8x75.6 110.8x44.8x75.6 110.8x44.8x75.6 110.8x44.8x75.6 in Weight 4 lb 10176 10176 9488 9488 9488 9488 8205 **OPTIONS** Air Conditioning System on request Fire Extinguishing System **Solar Battery Charger** on request Air filtration panels on request **EV Charger DC CCS1** on request **EV Charger AC Type1**

on request

on request

on request

on request

on request

Technical data not binding

on request

on request

¹Up to SOC of 50%

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

³ With reduced DOD

⁴ Dimensions may vary depending on the options added

THE SMART ENERGY STORAGE SYSTEM

WITH LITHIUM BATTERY AND INTEGRATED INVERTER/CHARGER



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

ш NERPACK SERIES





KEY FEATURES

- Digital control pane
- 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



扯





APPLICATIONS









PHOTOVOLTAIC WIND ENERGY POWER GRID
GENERATORS

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
Continuos load Inverter	kVA	30	30
Overload (300 seconds)	kW	-	-
Comunication 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 ²	-4 °F to +113 °F ²

BATTERY			
Brand		archimede energia	archimede energia
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 ³		> 6000	> 6000

INVERTER			
Brand		Victron	Victron
Quantity	units	3	3
Continuos 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	archimede energia	archimede energia
Manufacturing country	ITALY	ITALY

DIMENSIONS AND WEIGHT			
Dimensions (L x W x H) ⁴	in	92.3x44.8x71.7	92.3x44.8x71.7
Weight ⁴	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

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
Continuos load Inverter	kVA	30	30
Overload (300 seconds)	kW	-	-
Comunication 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 °F2	-4 °F to +113 °F2

BATTERY			
Brand		archimede energia	archimede energia
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 ³		> 6000	> 6000

INVERTER			
Brand		Victron	Victron
Quantity	units	3	3
Continuos 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	archimede energia	archimede energia
Manufacturing country	ITALY	ITALY

DIMENSIONS AND WEIGHT			
Dimensions (L x W x H) ⁴	in	92.3x44.8x71.7	92.3x44.8x71.7
Weight ⁴	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



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

³ With reduced DOD

⁴ Dimensions may vary depending on the options added











100 Paper Place New Castle, DE 19720 (855) 303-7900 Fax (302) 231-1162 sales@ftgequipment.com www.tecnogenusa.com