



ENERPACK

SMART STORAGE ENERGY SYSTEM

PRODUCT RANGE

EP30/50T

EP30/75T

EP45/75T

EP120/120T

EP120/200T

EP180/200T

EP180/300T

EP120/320T

EP180/320T

EP250/320T

EP250/520T

ENERPACK SERIES

www.bgguk.com

Tel 01255 830355

BGG UK Limited
Delta House • Tendring Heath • Nr. Clacton • Essex • CO16 0BU



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THE SMART ENERGY STORAGE SYSTEM

WITH LITHIUM BATTERY AND INTEGRATED INVERTER/CHARGER

415/240V - THREE PHASE / 50HZ

MODELS
EP 30 / 50T
EP 30 / 75T
EP 45 / 75T

ENERPACK SERIES



Example of electrical panel

STANDARD EQUIPMENT

- Digital control panel
- Distribution panel
- Powder Coated canopy made of hot dipped galvanized steel
- Central lifting point
- Forklift pockets

POWER SOURCES



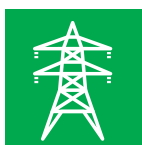
SOLAR



WIND

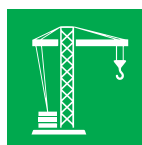


GENERATOR



MAINS

APPLICATIONS



CONSTRUCTION



DISASTER RELIEF



EVENTS



UPS

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ENERPACK

415/240V - THREE-PHASE / 50Hz

GENERAL TECHNICAL DATA	Units	EP 30 / 50T	EP 30 / 75T	EP 45 / 75T
Rated Voltage	VAC	415	415	415
Frequency	Hz	50	50	50
Nominal Energy Storage	kWh	48	72	72
Continuous load at power factor = 0,8	kVA	24	24	36
Overload (300 seconds)	kW	-	-	-
Communication technology		CAN bus	CAN bus	CAN bus
Sound Power Level	dB(A)	Zero Noise	Zero Noise	Zero Noise
Protection degree		IP44	IP44	IP44
Phases		3 PHASE	3 PHASE	3 PHASE

BATTERY

Battery Voltage	VDC	48	48	48
Brand		 archimede energia	 archimede energia	 archimede energia
Manufacturing country		ITALY	ITALY	ITALY
Quantity	units	2	3	3
Lithium cell chemistry		LiNMC	LiNMC	LiNMC
Discharged current		0,5 C	0,5 C	0,5 C
DOD % (depth of discharge @25°C ±2)		80%	80%	80%
Working life cycle (80% DoD)		> 6000	> 6000	> 6000

INVERTER

Quantity	units	3	3	3
Continuous output power	kVA	8	12	12
Inverter Brand		 victron energy	 victron energy	 victron energy
Operation Temperature	°C	-20 to +45 *	-20 to +45 *	-20 to +45 *
Manufacturing country		-	-	-

CONTROL

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

DIMENSIONS AND WEIGHT

Dimensions (L x W x H)	mm	2294x1134x2193	2294x1134x2193	2294x1134x2193
Weight	kg	1719	1907	1970

OPTIONS

INLET Powerlocks		1 row on request	1 row on request	1 row on request
Sockets		on request	on request	on request
Air Conditioner		-	-	-
Fire Extinguisher		-	-	-
Solar Battery Charger		on request	on request	on request
Air filtration panels		on request	on request	on request
Recharger for electric cars		on request	on request	on request

* for temperatures > 45 ° C customized equipment is available as option

MODELS

EP 30 / 50T

EP 30 / 75T

EP 45 / 75T

ENERPACK SERIES



THE SMART ENERGY STORAGE SYSTEM

WITH LITHIUM BATTERY AND INTEGRATED INVERTER/CHARGER

415/240V - THREE PHASE / 50HZ



MODELS

EP 120 / 120T

EP 120 / 200T

EP 180 / 200T

EP 180 / 300T

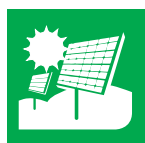
ENERPACK SERIES



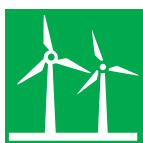
Example of electrical panel

STANDARD EQUIPMENT

- Digital control panel
- Distribution panel
- Powder Coated canopy made of hot dipped galvanized steel
- Central lifting point
- Forklift pockets



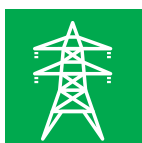
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ENERPACK

415/240V - THREE-PHASE / 50Hz

GENERAL TECHNICAL DATA	Units	EP 120 / 120T	EP 120 / 200T	EP 180 / 200T
Rated Voltage	VAC	415	415	415
Frequency	Hz	50	50	50
Nominal Energy Storage	kWh	120	200	200
Continuous load at power factor = 0,8	kVA	120	120	180
Overload (300 seconds)	kW	390	390	390
Communication technology		CAN bus	CAN bus	CAN bus
Sound Power Level	dB(A)	Zero Noise	Zero Noise	Zero Noise
Protection degree		IP44	IP44	IP44
Phases		3 PHASE	3 PHASE	3 PHASE

BATTERY

Battery Voltage	VDC	355,2	355,2	355,2
Brand				
Manufacturing country		ITALY	ITALY	ITALY
Quantity	units	6	10	10
Lithium cell chemistry		LiNMC	LiNMC	LiNMC
Discharged current		2 C	2 C	2 C
DOD % (depth of discharge @25°C ±2)		80%	80%	80%
Working life cycle (80% DoD)		> 6000	> 6000	> 6000

INVERTER

Quantity	units	1	1	1
Continuous output power	kVA	120	120	180
Inverter Brand				
		CONTINUOUS MAXIMUM BOOST OVERLOAD 5 MINS	CONTINUOUS MAXIMUM BOOST OVERLOAD 5 MINS	CONTINUOUS MAXIMUM BOOST OVERLOAD 5 MINS
Operation Temperature	°C	-20 to +45 *	-20 to +45 *	-20 to +45 *
Manufacturing country		ITALY	ITALY	ITALY

CONTROL

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

DIMENSIONS AND WEIGHT

Dimensions (L x W x H)	mm	2904x 2478x2214	2904x 2478x2214	2904x 2478x2214
Weight	kg	3850	4400	4400

OPTIONS

INLET Powerlocks		1 row on request	1 row on request	1 row on request
Sockets		on request	on request	on request
Air Conditioner		on request	on request	on request
Fire Extinguisher		-	-	-
Solar Battery Charger		on request	on request	on request
Air filtration panels		on request	on request	on request

MODELS

EP 120 / 120T
EP 120 / 200T
EP 180 / 200T
EP 180 / 300T

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THE SMART ENERGY STORAGE SYSTEM

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415 / 240V - THREE PHASE / 50HZ



MODELS
EP 120 / 320T
EP 180 / 320T
EP 250 / 320T
EP 250 / 520T

ENERPACK SERIES



Example of electrical panel

STANDARD EQUIPMENT

- Digital control panel
- Distribution panel
- 4 x lifting eyes
- Forklift pockets

Optional: Powder Coated Canopy made of hot dipped galvanized steel

POWER SOURCES



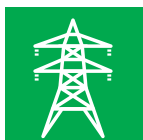
SOLAR



WIND

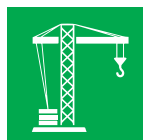


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NEW

ENERPACK

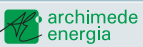
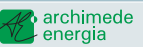
415/240V - THREE-PHASE / 50Hz

MODELS

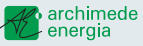
EP 120 / 320T
EP 180 / 320T
EP 250 / 320T
EP 250 / 520T

ENERPACK SERIES

GENERAL TECHNICAL DATA	Units	EP 120 / 320T	EP 180 / 320T	EP 250 / 320T	EP 250 / 520T
Rated Voltage	VAC	415	415	415	415
Frequency	Hz	50	50	50	50
Nominal Energy Storage	kWh	320	320	320	520
Continuous load at power factor = 0,8	kVA	120	180	250	250
Overload (300 seconds)	kW	390	390	390	390
Communication technology		CAN bus	CAN bus	CAN bus	CAN bus
Sound Power Level	dB(A)	Zero Noise	Zero Noise	Zero Noise	Zero Noise
Protection degree		IP44	IP44	IP44	IP44
Phases		3 PHASE	3 PHASE	3 PHASE	3 PHASE

BATTERY					
Battery Voltage	VDC	355,2	355,2	355,2	355,2
Brand		 archimede energia	 archimede energia	 archimede energia	 archimede energia
Manufacturing country		ITALY	ITALY	ITALY	ITALY
Quantity	units	16	16	16	26
Lithium cell chemistry		LiNMC	LiNMC	LiNMC	LiNMC
Discharged current		2 C	2 C	2 C	2 C
DOD % (depth of discharge @25°C ±2)		80%	80%	80%	80%
Working life cycle (80% DoD)		> 6000	> 6000	> 6000	> 6000

INVERTER					
Quantity	units	1	1	1	1
Continuous output power	kVA	120	180	250	250
Inverter Brand		 POWERTRONIX Uninterruptible Power Supply	 POWERTRONIX Uninterruptible Power Supply	 POWERTRONIX Uninterruptible Power Supply	 POWERTRONIX Uninterruptible Power Supply
		CONTINUOUS MAXIMUM BOOST OVERLOAD 5 MINS	CONTINUOUS MAXIMUM BOOST OVERLOAD 5 MINS	CONTINUOUS MAXIMUM BOOST OVERLOAD 5 MINS	CONTINUOUS MAXIMUM BOOST OVERLOAD 5 MINS
Operation Temperature	°C	-20 to +45 *	-20 to +45 *	-20 to +45 *	-20 to +45 *
Manufacturing country		ITALY	ITALY	ITALY	ITALY

CONTROL					
Energy Management system		Digital	Digital	Digital	Digital
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)	mm	20' container	20' container	20' container	20' container
Weight	kg	4900	4900	4900	6300

OPTIONS					
INLET Powerlocks		1 row on request	1 row on request	1 row on request	1 row on request
Sockets		on request	on request	on request	on request
Air Conditioner		on request	on request	on request	on request
Fire Extinguisher		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
Recharger for electric cars		on request	on request	on request	on request

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