



PHOTOVOLTAIC STORAGE



WIND ENERGY STORAGE



POWER GENERATION



UPS STORAGE



CONSTRUCTION



DISASTER RELIEF

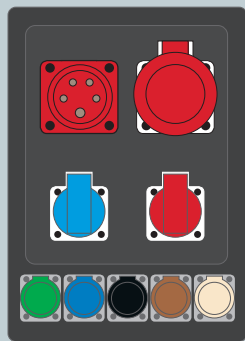


EVENTS



# ENERPACK 400/230V - THREE-PHASE / 50Hz

THE NEW **BRUNO SMART ENERGY STORAGE** SYSTEM  
WITH LITHIUM BATTERY AND INTEGRATED INVERTER/CHARGER



EP30T CONTROL PANEL

## STANDARD EQUIPMENT








- Digital control panel
- Distribution panel
- Soundproof canopy made of galvanized steel
- Central lifting eye
- Forklift guides

# ENERPACK

## 400/230V - THREE-PHASE / 50Hz

GENERAL TECHNICAL DATA		EP30T	EP42T	EP60T	EP120T	EP180T	EP360T	EP720T
Rated voltage	VAC	400	400	400	400	400	400	400
Frequency	Hz	50	50	50	50	50	50	50
Nominal energy storage	kWh	30	42	60	120	180	360	720
Communication technology		CAN BUS	CAN BUS	CAN BUS	CAN BUS	CAN BUS	CAN BUS	CAN BUS
Sound power level	dB(A)	Zero noise	Zero noise	Zero noise	Zero noise	Zero noise	Zero noise	Zero noise
Protection degree		IP44	IP44	IP44	IP44	IP44	IP44	IP44

### BATTERY

Battery voltage	VDC	399,6	399,6	399,6	399,6	399,6	399,6	399,6
Model		PJO-400-75-TDA 75A - 30kW	PJO-400-111-TDA 111A - 42kW	PJO-400-150-TDA 150A - 60kW	PJO-400-150-TDA 150A - 60kW	PJO-400-150-TDA 150A - 60kW	PJO-400-150-TDA 150A - 60kW	PJO-400-150-TDA 150A - 60kW
Brand		 archimede energia	 archimede energia	 archimede energia	 archimede energia	 archimede energia	 archimede energia	 archimede energia
Manufacturing country		ITALY	ITALY	ITALY	ITALY	ITALY	ITALY	ITALY
Quantity	units	1	1	1	2	3	6	12
Lithium cell chemistry		LiNMC	LiNMC	LiNMC	LiNMC	LiNMC	LiNMC	LiNMC
Battery pack capacity	Ah	75	111	150	300	450	900	1800
DoD % (depth of discharge @25°C±2)	%	90%	90%	90%	90%	90%	90%	90%
Working life cycle (80% DoD)	Cycles	>6000	>6000	>6000	>6000	>6000	>6000	>6000

### INVERTER








Quantity	units	1	1	1	1	1	1	1
Continuous power at power factor = 0,8	kVA	80	80	80	80	80	80	80

### PERFORMANCE

#### EXAMPLE OF PERFORMANCE IN BATTERY MODE WITH CONSTANT LOAD:

Load 3kW	h min	9h	12h 36'	18h	36h	54h	108h	216h
Load 5kW	h min	5h 24'	7h 34'	10h 48'	21h 36'	32h 24'	64h 48'	129h 36'
Load 10kW	h min	2h 42'	3h 47'	5h 24'	10h 48'	16h 12'	32h 24'	64h 48'
Load 30kW	h min	***	1h 16'	1h 48'	3h 36'	5h 24'	10h 48'	21h 36'
Load 45kW	h min	***	***	1h 12'	2h 24'	3h 36'	7h 12'	14h 24'
Load 60kW	h min	***	***	***	1h 48'	2h 42'	5h 24'	10h 48'
Recharging time (@ 90% DoD)	h min	1h	1h	1h	1h 36'	2h 20'	4h 36'	9h 12'
Recommended application (power needed daily)	kW	< 10	< 20	< 40	< 50	< 60	> 80	> 100
Operating temperature	°C	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60

### CONTROL

Energy management system		Digital	Digital	Digital	Digital	Digital	Digital	Digital
Battery management system (BMS)		Hermes 3M	Hermes 3M	Hermes 3M	Hermes 3M	Hermes 3M	Hermes 3M	Hermes 3M
Brand								
Manufacturing country		Italy	Italy	Italy	Italy	Italy	Italy	Italy

### DISTRIBUTION PANEL

INLET connection		1 x CEE 400V 5P 63A	1 x CEE 400V 5P 63A	Power busbar	Power busbar	Power busbar	Power busbar	Power busbar
OUTLET connection		1 x CEE 400V 5P 63A 1 x CEE 400V 5P 32A 2 x CEE 230V 3P 16A	1 x CEE 400V 5P 63A 1 x CEE 400V 5P 32A 2 x CEE 230V 3P 16A	1 x CEE 400V 5P 63A 1 x CEE 400V 5P 32A 2 x CEE 230V 3P 16A	1 x CEE 400V 5P 63A 1 x CEE 400V 5P 32A 2 x CEE 230V 3P 16A	1 x CEE 400V 5P 63A 1 x CEE 400V 5P 32A 2 x CEE 230V 3P 16A	1 x CEE 400V 5P 63A 1 x CEE 400V 5P 32A 2 x CEE 230V 3P 16A	1 x CEE 400V 5P 63A 1 x CEE 400V 5P 32A 2 x CEE 230V 3P 16A
		63A	63A	Power busbar	Power busbar	Power busbar	Power busbar	Power busbar

### DIMENSIONS AND WEIGHT

Dimensions (L x W x H)	mm	3000x1100x1600	3000x1100x1600	3000x1100x1600	3000x1100x1600	3000x1100x1600	CONTAINER 15'	CONTAINER 20'
Weight	kg	2760	2877	2905	3410	3915	6230	10160

### OPTIONS

INLET Powerlocks		1 row	1 row	1 row	1 row	1 row	1 row	1 row
OUTLET Powerlocks		1 row	1 row	1 row	1 row	1 row	1 row	1 row
Solar battery charger		on request	on request	on request	on request	on request	on request	on request