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ENERPACK

400/230V – THREE-PHASE / 50Hz

THE TECNOGEN SMART ENERGY STORAGE SYSTEM
WITH LITHIUM BATTERY AND INTEGRATED INVERTER/CHARGER



PHOTOVOLTAIC
STORAGE



POWER
GENERATION



WIND ENERGY
STORAGE



UPS STORAGE



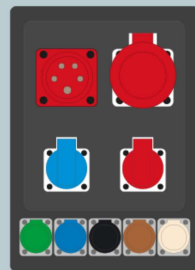
DISASTER RELIEF



EVENTS



CONSTRUCTION



EP30T CONTROL PANEL

OPTION

STANDARD EQUIPMENT

- Digital control panel
- Distribution panel
- 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)	%	80%	80%	80%	80%	80%	80%	80%
Working life cycle (80% DoD)	Cycles	>5000	>5000	>5000	>5000	>5000	>5000	>5000
INVERTER								
Quantity	units	1	1	1	1	1	1 (2-3ø)	1 (2-3ø)
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 3 kW	h	8,00'	11,12'	16,00'	32,00'	48,00'	96,00'	192,00'
Load 5 kW	h	4,48'	6,43'	9,36'	19,12'	28,48'	57,36'	115,12'
Load 10 kW	h	2,24'	3,22'	4,48'	9,36'	14,24'	28,48'	57,36'
Load 30 kW	h	***	1,07'	1,36'	3,12'	4,48'	9,36'	19,12'
Load 45 kW	h	***	***	1,00'	2,00'	3,12'	6,24'	12,48'
Load 60 kW	h	***	***	***	1,36'	2,24'	4,48'	9,36'
Recharging time (@ 80% DoD)	h	0,50'	0,50'	0,50'	1,15'	1,50'	3,36'	7,12"
✱ Recharging time (@ 80% DoD) with 2 inverters - OPTION	h	***	***	***	***	***	1,48'	3,36'
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 M3	Hermes M3	Hermes M3	Hermes M3	Hermes M3	Hermes M3	Hermes M3
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 63A	1 x CEE 400V 5P 63A 1 x CEE 400V 5P 32A 2 x CEE 230V 3P 16A 63A	1 x CEE 400V 5P 63A 1 x CEE 400V 5P 32A 2 x CEE 230V 3P 16A Power busbar	1 x CEE 400V 5P 63A 1 x CEE 400V 5P 32A 2 x CEE 230V 3P 16A Power busbar	1 x CEE 400V 5P 63A 1 x CEE 400V 5P 32A 2 x CEE		

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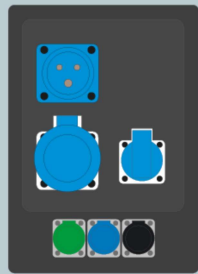
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