ENERPACK

230V - SINGLE PHASE / 50HZ

SOLAR POWER

WIND ENERGY STORAGE

POWER GENERATION

UPS STORAGE

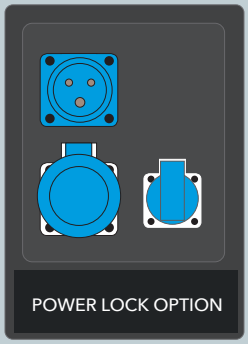
MAINS POWER

ENERPACK

THE **SMART ENERGY STORAGE** SYSTEM

WITH LITHIUM BATTERY AND INTEGRATED INVERTER/CHARGER

Socket Configuration



STANDARD EQUIPMENT

- Digital Control Panel
- Distribution Panel
- Canopy made of powder coated galvanised steel
- Central lifting eye
- Forklift pockets

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GENERAL TECHNICAL DATA		**EP5/10M**	**EP11/20M**	**EP21/30M**	**EP27/40M**	**EP36/60M**	**EP53/80M**	**EP72/100M**
Rated voltage	V AC	230	230	230	230	230	230	230
Frequency	Hz	50	50	50	50	50	50	50
Nominal energy storage	kWh	**5,3**	**10,6**	**21,2**	**26,6**	**36,07**	**53,39**	**72,15**
Peak power 5 sec. @ 25 °C	kW	9	9	21	21	21	21	21
Continuous load at power factor = 1	kVA	**4**	**4**	**7**	**7**	**7**	**7**	**7**
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	V DC	48	48	48	48	48	48	48
Model		PJO-048-111-RK1	PJO-048-111-RK1	PJO-048-111-RK1	PJO-048-555-TCU	PJO-048-750-TCU	PJO-048-THT-TCU	PJO-048-TFH-TCU
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	2	4	1	1	1	1
Lithium cell chemistry		LiNMC	LiNMC	LiNMC	LiNMC	LiNMC	LiNMC	LiNMC
Battery pack capacity	Ah	**111**	**222**	**444**	**555**	**750**	**1100**	**1500**
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 ✻)	1 (2 ✻)
Continuous power at power factor = 1	kVA	4	4	7	7	7	7	7
PERFORMANCE								
EXAMPLE OF PERFORMANCE IN BATTERY MODE WITH CONSTANT LOAD:								
Load 2 kW	time	2h : 7 min	4h : 14 min	8 h : 29 min	10 h : 38 min	14 h : 26 min	21 h : 21 min	28 h : 52 min
Load 3 kW	time	1 h : 25 min	2 h : 50 min	5 h : 39 min	7 h : 06 min	9 h : 37 min	14 h : 14 min	19 h : 14 min
Load 4 kW	time	1 h : 04 min	2 h : 07 min	4 h : 14 min	5 h : 19 min	7 h : 13 min	10 h : 41 min	14 h : 26 min
Load 5 kW	time	***	***	3 h : 24 min	4 h : 15 min	5 h : 46 min	8 h : 33 min	11 h : 33 min
Load 7 kW	time	***	***	2 h : 25 min	3 h : 02 min	4 h : 12 min	6 h : 06 min	8 h : 15 min
Load 10 kW	time	***	***	***	***	***	4 h :16 min ✻	5 h : 46 min ✻
Recharging time (@ 80% DoD)	time	1 h : 15 min	2 h : 31 min	2 h : 56 min	3 h : 41 min	5 h	7 h : ,24 min	10 h
✻ Recharging time (@ 80% DoD) with 2 inverters - OPTION	time	***	***	***	***	***	3 h : 42 min	5 h
Recommended application daily power	kWh	**< 10**	**< 20**	**< 30**	**< 40**	**< 60**	**< 80**	**> 80**
Operating temperature	°C	-20 to +45*	-20 to +45*	-20 to +45*	-20 to +45*	-20 to +45*	-20 to +45*	-20 to +45*
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	CevLab	CEV LAB	CEV LAB	CEV LAB	CEV LAB	CEV LAB	CEV LAB	CEV LAB
Manufacturing country		ITALY	ITALY	ITALY	ITALY	ITALY	ITALY	ITALY
DISTRIBUTION PANEL								
INLET connection		1 x CEE 230V 3P 32A	1 x CEE 230V 3P 32A	Power busbar	Power busbar	Power busbar	Power busbar	Power busbar
OUTLET connection		1 x CEE 230V 3P 16A 1 x CEE 230V 3P 32A 1 x CEE 230V 3P 32A	1 x CEE230V 3P 16A 1 x CEE230V 3P 32A 1 x CEE 230V 3P 32A	2 x CEE230V 3P 16A 1 x CEE230V 3P 32A Power busbar	2 x CEE230V 3P 16A 1 x CEE230V 3P 32A Power busbar	2 x CEE230V 3P 16A 1 x CEE230V 3P 32A Power busbar	2 x CEE230V 3P 16A 1 x CEE230V 3P 32A Power busbar	2 x CEE230V 3P 16A 1 x CEE230V 3P 32A Power busbar
DIMENSIONS AND WEIGHT								
Dimensions (L x W x H)	mm	1015x1050x770	1015x1050x770	1015x1050x770	2200x1000x1300	2200x1000x1300	2200x1000x1300	2200x1000x1300
Weight	kg	387	445	578	900	913	1055	1094
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

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

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