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ENERCUBO20

400/230V – THREE-PHASE / 50Hz

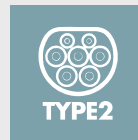
HYBRID POWER GENERATOR IN **CONTAINER**



UPS STORAGE



**PHOTOVOLTAIC
STORAGE**



RECHARGER



VARIABLE SPEED SYSTEM

TIER IV F
LEADING THE EVOLUTION

STAGE V
LEADING THE EVOLUTION



400/230V – THREE-PHASE / 50Hz

POWER GENERATOR'S STANDARD EQUIPMENT

- Ultra-silent container FQ model with Variable Speed electrical fans
- 240 litres fully bunded fuel tank
- Forklift guides
- Electric radiator in a separate compartment
- Cooling system with electric fans with Vsi Technology
- Sockets kit
- Manual control panel with circuit breaker



LOWER CO₂ EMISSION
TO PROTECT THE ENVIRONMENT



archimede energia
MADE IN ITALY LITHIUM BATTERIES



TYPE2 RECHARGER
FOR ELECTRIC CARS (OPTION)



GENERATING SET	Unit		
Model		EC 45-350	EC 60-350
Prime Power	kW	33,5	48
Voltage	V	400 AC	400 AC
Control panel		AUS 7310	AUS 7310
Fuel Tank	l	240	300
Fuel Consumption 70% load	l/h	8,1*	10,6*
Weight	kg	5390**	5690**
Dimensions (LxWxH)	--	ISO 20'	ISO 20'

Edit Table

* Engine consumption during operation

** with one battery mounted

DISTRIBUTION PANEL	
Outlet	32 A 230V 1 Ph socket
Outlet	16 A 230V 1 Ph socket
Outlet	32 A 230V 1 Ph plug

Edit Table

ENGINE	Unit	KOHLER	KOHLER
Model		KDI2504TCR CAC	KDI3404TCR CAC
Speed		Constant	Constant
Revolutions	rpm	1500	1500
kWm Prime Power - PRP	kW	37,4	53,2
Regulator		Electronic	Electronic
Cylinder and arrangement		4	4
Total displacement	cm ³	2482	3400
Emissions compliance		STAGE V	

Edit Table

LITHIUM BATTERY	Unit	BATTERY OPTIONS				
		1x	2x	3x	4x	5x
Battery voltage	V DC	339V	339V	339V	339V	339V
Model		PJ0400-150-TDA				
Brand						
Manufacturing Country	Italy	Italy	Italy	Italy	Italy	Italy
Lithium cell chemistry		LiNMC				
Quantity	n	1x	2x	3x	4x	5x
Nominal capacity	Ah	150	300	450	600	750
Nominal energy	kWh	60	120	180	240	300
Weight	kg	640	1280	1920	2560	3200
Charging time*	h	1	2	3	4	3200
Roundtrip efficiency	%	>98				
Working life cycle		>5000 cycles - @ 80% DOD				

Edit Table

*Without load



**EXAMPLES OF PERFORMANCE IN BATTERY
MODE WITH CONSTANT LOAD**

LOAD	Unit	BATTERY OPTIONS				
		1x	2x	3x	4x	5x
3 kW	h	16,00'	32,00'	48,00'	64,00'	80,00'
5 kW	h	9,36'	19,12'	28,48'	38,24'	48,00'
10 kW	h	4,48'	9,36'	14,24'	19,12'	24,00'
30 kW	h	1,36'	3,12'	4,48'	6,24'	8,00'
45 kW	h	1,04'	2,08'	3,12'	4,16'	5,20'

60 kW	h	--	1,36'	2,24'	3,12'	4,00'
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Edit Table

BATTERY MODE LOAD 2 kVA => 36 HOURS AUTONOMY
CAR RECHARGER => @22 kW 3 HOURS AUTONOMY 400 km

FEATURES OF THE HYBRID SYSTEM

- **33,5 or 48 kw** three-phase power generator stage v
- From 1 to 5 lithium batteries (72 ÷ 360 kw/h)
- Single three-phases inverter 80 kva
- 15 solar modules – nominal power 5 kw
- Production 7 ÷ 360 kw/ day
- Solar charger
- Solar accumulator with 1÷5 lithium batteries from 60 to 300 kwh
- Option: **type2** recharger for electric cars (22 kw max.)

FULL CUSTOMIZATION AVAILABLE FOR BATTERY AUTONOMY, GEN SET
POWER AND COUPLED PHOTOVOLTAIC FIELD



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