



**COMMERCIAL
OFF GRID**

CE10/15/20KW-S-OFF

PRODUCT MODEL	CE10KW-S-OFF	CE15KW-S-OFF	CE20KW-S-OFF
PV System Size Nominal Inverter Power (KWP)	10	15	20

PRODUCT MODEL SPECIFICATION(*Mono)

Power (W)	410
Vmp (V)	31.45
Voc (V)	37.32
Isc (A)	13.95
Imp (A)	13.04
Dimensions (L*W*H) (mm)	1722*1134*35
PV Module Weight (kg)	21.5
Certifications	CE / TUV (IEC 61215 & IEC 61730)

*Polycrystalline PV modules also available up on request

INVERTER SPECIFICATIONS

Inverter Continuous Power (KVA / KW)	10 / 8	15 / 12	20 / 16
Peak Power (KVA / KW)	30 / 24	45 / 36	60 / 48
Over Load Capacity	105%-110%, 10mins; 110%-125%, 1 min; >125%, 10s		
AC Voltage (V)	L / N / PE, 220 / 230 / 240		
AC Frequency (Hz)	50 / 60 (Adjustable)		
Battery Voltage (V)	220		
MPPT Charge Current (A)	45	2*45	2*45
PV Input Power (W)	≤ 11000	≤ 16000	≤ 22000
PV Voltage Range (V)	250-450		
Maximum PV Array Open Circuit Voltage	460		
AC Nominal Voltage / Voltage Range (V)	L / N / PE, 220 / 230 / 240		
AC Grid Frequency Range (Hz)	Pure Sine Wave		
Dimensions (W*H*D) (mm)	610*455*1125	610*455*1125	610*455*1125
Inverter Weight (kg)	101	114	124
Certifications	TUV, CE, Enel-GUIDA, AS4777, CEC,CSA, BDEW		

BATTERY BANK SPECIFICATIONS

Battery Type	Lead Acid Gel (VRLA)		
Battery Voltage (V)	2		
Battery Bank Voltage (V)	220		
Battery Capacity (Ah)	2V200	2V400	2V400
Battery Bank Capacity (Ah)	200	400	400
Battery Bank Power-Total (Wh)	44000	88000	88000
Battery Bank Power-Total (Wh)*0.7 (DOD)	30800	61600	61600
Battery Dimensions (L*W*H) (mm)	172.5*111*366	211*176*366	211*176*366
Battery Weight (kg)	14	26	26
Full Cycles (70% DOD)	700		
Total Batteries - *storage can be increased	110		
Connection	Series		
Certifications	CE / RU / ISO14001 / OHSAS18001		

BOS

PV Combiner Box / Battery Breaker	3 in 1 out / 1	5 in 1 out / 1	6 in 1 out / 1
*PV Cables (PV 1*4mm ²) (m)	300	500	600
*Battery Wire (m)	RVV/BV 1*16mm ² - 20m	RVV/BV 1*25mm ² - 20m	RVV/BV 1*35mm ² - 20m
*Ground Wire (1*16mm ²) (m)	100	200	300
Battery Bank Rack	Customized		
AC Cables	YJV 3*16mm ² - 20m	YJV 3*25mm ² - 20m	YJV 3*35mm ² - 20m

*Extra wire is available up request

SYSTEM LAYOUT

Number of Modules	24	36	48
Number of Inverters	1		
PV Array Surface Area (m ²)	59.06	89.48	118.11
PV Array Weight (kg)	577.5	875	1155
PV Module	No. of PV Modules / String	12	
	Total Strings	2	3
String	String Voc (V)	447.84	
	String Vmp (V)	377.4	
Configuration	String Imp (A)	13.04	