

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)		300	
Vmp (V)		32.1	
Voc (V)		39.7	
Isc (A)		9.65	
Imp (A)		9.35	
Dimensions (L*W*H) (mm)		1640*992*35	
PV Module Weight (kg)		17.5	
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		
Wave Form	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

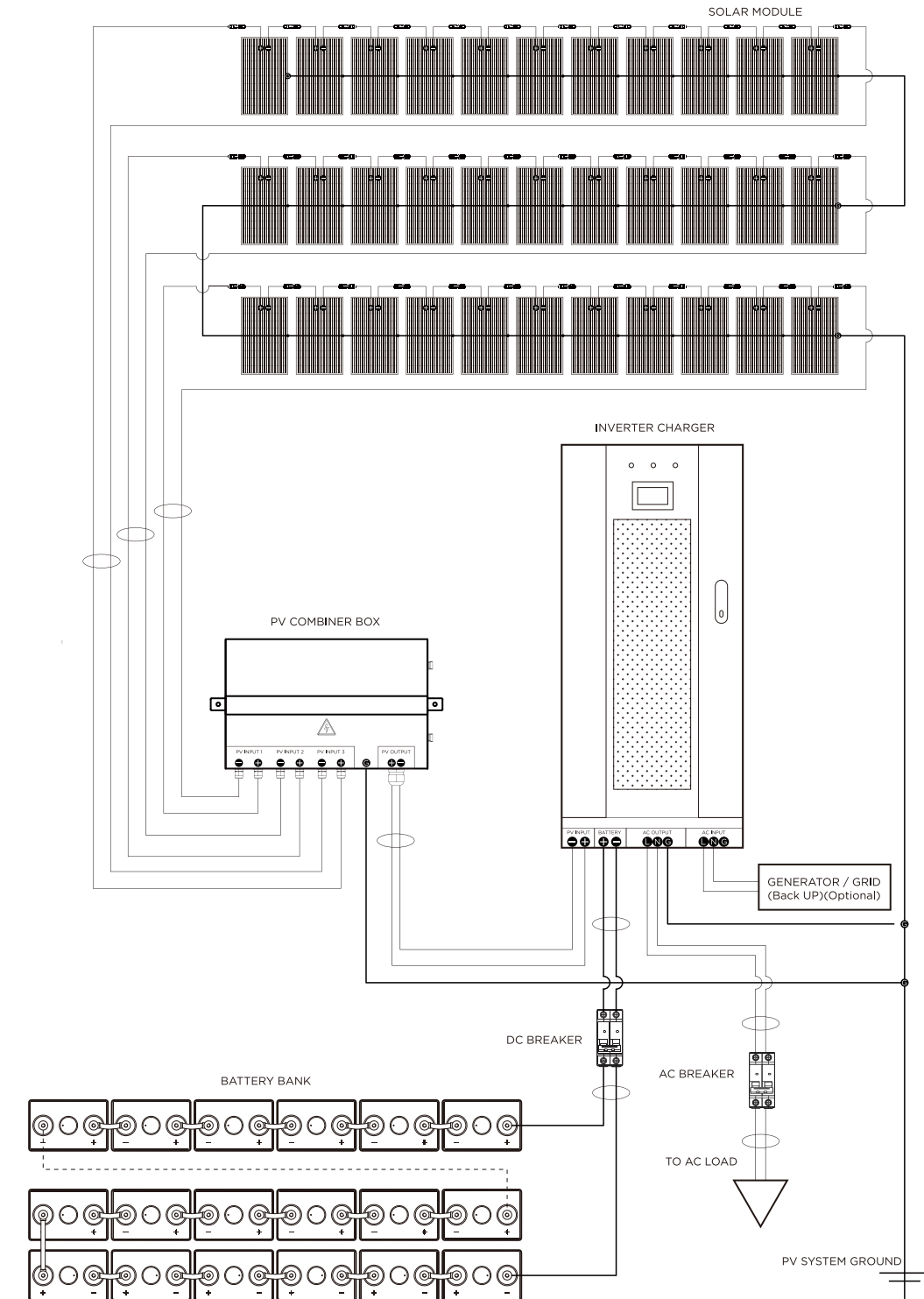
PV Combiner Box / Battery Breaker	3 in 1 out / 1	5 in 1 out / 1	6 in 1 out / 1
*PV Cables (PV 1*4mm ²) (m)	300	500	600
*Battery Wire (m)	RVV / BV 1*16mm ² - 20m	RVV / BV 1*25mm ² - 20m	RVV / BV 1*35mm ² - 20m
*Ground Wire (1*16mm ²) (m)	100	200	300
Battery Bank Rack	Customized		
AC Cables	YJV 3*16mm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

*Extra wire is available up request

SYSTEM LAYOUT

Number of Modules	33	50	66
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	11	
String	Total Strings	3	6
Configuration	String Voc (V)	436.7	
	String Vmp (V)	353.1	
	String Imp (A)	9.35	

CE10KW-S-OFF



PRODUCTION ESTIMATES (KWh AC)

*Projectd Yearly Output at 4 PSH / Day	31.68	48.00	63.36
*Projectd Yearly Output at 5 PSH / Day	39.60	60.00	79.20
*Projectd Yearly Output at 6 PSH / Day	47.52	72.00	95.04

*Based on 80% system efficiency (formula = DC Power * PSH / Day * System Efficiency) (PSH = Peak Sunshine Hours)

SYSTEM OPTIONS

Monitoring Device	RS232
PV Module Type	Mono or Poly
Monitoring System Types	Metal Roof / Tile Roof / Flat Concrete Roof / Ground
AC Back Up Input	Utility Grid / Power Generator
Battery	12V Gel / 2V Gel / Tubular Gel (OpzV)